

## APPENDIX I

### Historical Series—Index to Tables in Which *Historical Statistics* Series Appear

[The most recent historical supplement to the *Statistical Abstract* is the bicentennial edition, *Historical Statistics of the United States, Colonial Times to 1970* (see inside back cover). Listed below are statistical time series (identified by number) appearing in this edition, for which tables in the *Statistical Abstract* present comparable figures. Historical series are listed only where related or comparable data are available for one or more years later than 1970. In a few instances, it may be necessary to combine figures shown in the *Abstract* to obtain totals comparable to the series shown in *Historical Statistics*]

Historical Statistics series	1980 Abstract table number	Historical Statistics series	1980 Abstract table number	Historical Statistics series	1980 Abstract table number	Historical Statistics series	1980 Abstract table number
<b>A</b>		<b>C</b>		<b>F—Con.</b>		<b>H—Con.</b>	
A 6-8 .....	2	C 1-10 .....	47	F 17-30 .....	729	H 420 .....	246
A 9-22 .....	7	C 25-75 .....	30	F 31 .....	727	H 421-429 .....	220
A 23-25 .....	34	C 76-78 .....	1193	F 32-70 .....	724	H 442-476 .....	229
A 29-41 .....	34	C 89 .....	131	F 130-143 .....	731	H 487-507 .....	246
A 43-72 .....	17	C 89-119 .....	134	F 144-162 .....	732	H 513-519 .....	221
A 73-90 .....	18	C 120-142 .....	132	F 163-185 .....	734	H 520-530 .....	246
A 91-104 .....	44	C 143-157 .....	133	F 192-209 .....	735	H 531-534 .....	259
A 105-118 .....	46	C 144 .....	141	F 225-237 .....	736	H 535-544 .....	250
A 119-134 .....	39	C 149-157 .....	145	F 262-286 .....	738	H 572-581 .....	298
A 135-142 .....	46	C 158-160 .....	141	F 297-348 .....	739	H 587-597 .....	266
A 143-149 .....	31	C 162-167 .....	149	F 349-378 .....	780	H 598-601 .....	271
A 158-159 .....	123	C 168 .....	148	F 422-469 .....	790	H 602-617 .....	238
A 160-171 .....	9	C 169-179 .....	150	F 480-527 .....	936	H 669-688 .....	240
A 172 .....	9	C 180 .....	148	F 528-534 .....	1402	H 689 .....	218
A 195-198 .....	9	C 195-295 .....	48	F 552-565 .....	742	H 690-692 .....	275
A 197-198 .....	43	C 296-331 .....	429	F 566-594 .....	743	H 699-705 .....	273
A 199-201 .....	42					H 705 .....	275
A 204-209 .....	35	<b>D</b>		<b>G</b>		H 710 .....	273
A 210-263 .....	354	D 11-19 .....	655	G 1-8 .....	744	H 716-738 .....	288
A 264-275 .....	24	D 20-41 .....	653	G 16-23 .....	744	H 747-749 .....	288
A 276-287 .....	62	D 49-62 .....	668	G 24-30 .....	762	H 752-756 .....	271
A 288-319 .....	66	D 63-74 .....	671	G 85-102 .....	752	H 767-771 .....	1084
A 320-334 .....	64	D 85-86 .....	655	G 124-129 .....	752	H 774 .....	1084
A 335-349 .....	67	D 87-101 .....	682	G 179-189 .....	751	H 776-780 .....	1084
A 353-358 .....	79	D 116-126 .....	688	G 190-192 .....	744	H 793-799 .....	82
A 359-371 .....		D 127-141 .....	689	G 193-195 .....	762	H 806-828 .....	404
		D 142-151 .....	692	G 197-199 .....	744	H 829-835 .....	407
<b>B</b>		D 182-232 .....	696	G 200-202 .....	762	H 836-848 .....	408
B 1-5 .....	85	D 233-682 .....	697	G 205-256 .....	753	H 849-861 .....	410
B 5-7 .....	86	D 689-704 .....	693	G 257-268 .....	767	H 862-864 .....	413
B 11 .....	88	D 802-810 .....	692	G 416-489 .....	733	H 865-870 .....	417
B 20-27 .....	95	D 818-829 .....	708	G 851-856 .....	212	H 871 .....	413
B 28-35 .....	97	D 877-892 .....	692	G 881-915 .....	211	H 872 .....	417
B 49-66 .....	106	D 913 .....	286			H 874 .....	413
B 107-115 .....	114	D 918-919 .....	172	<b>H</b>		H 875-878 .....	414
B 116-125 .....	107	D 921-926 .....	626	H 1-47 .....	531	H 877 .....	413
B 136-147 .....	85	D 933-934 .....	714	H 51-56 .....	538	H 878-893 .....	411
B 142 .....	116	D 946-951 .....	714	H 57-89 .....	541	H 899-920 .....	426
B 149-166 .....	121	D 970-976 .....	718	H 70-114 .....	559	H 921-940 .....	428
B 163-165 .....	110	D 977-1021 .....	720	H 115-124 .....	560	H 946-951 .....	427
B 167-173 .....	110	D 1022-1028 .....	677	H 125-171 .....	539	H 952-961 .....	302
B 181-192 .....	123			H 172-185 .....	540	H 971-986 .....	310
B 214-220 .....	153	<b>E</b>		H 186-196 .....	538	H 987-998 .....	317
B 221-235 .....	154	E 1-22 .....	796	H 197-229 .....	547	H 999-1011 .....	320
B 222-232 .....	152	E 23-29 .....	800	H 238-242 .....	546	H 1012-1027 .....	324
B 248-261 .....	159	E 73-86 .....	799	H 245-259 .....	549	H 1028-1062 .....	329
B 262-272 .....	166	E 123-134 .....	802	H 262-270 .....	551	H 1063-1078 .....	331
B 275-290 .....	200	E 135-173 .....	806	H 271-286 .....	553	H 1079-1096 .....	332
B 291-303 .....	178	E 203-211 .....	820	H 287-304 .....	555	H 1097-1111 .....	333
B 305-318 .....	178			H 305-317 .....	566	H 1112-1118 .....	335
B 331-344 .....	181	<b>F</b>		H 332-345 .....	568	H 1119-1124 .....	340
B 359-362 .....	179	F 1 .....	730	H 346-354 .....	571	H 1135-1140 .....	342
B 384-387 .....	161	F 5 .....	725	H 355-367 .....	570	H 1155-1167 .....	351
B 399-400 .....	180	F 6-9 .....	732	H 392-397 .....	558	<b>J</b>	
B 401-412 .....	190	F 10-16 .....	726	H 398-411 .....	589	J 1-2 .....	353
B 413-422 .....				H 413-417 .....	218	J 3-6 .....	394
B 428-443 .....							

# **Historical Series—Index to Tables in Which *Historical Statistics* Series Appear—Continued**

[See headnote, p. 940]

<i>Historical Statistics series</i>	<i>1980 Abstract table number</i>	<i>Historical Statistics series</i>	<i>1980 Abstract table number</i>	<i>Historical Statistics series</i>	<i>1980 Abstract table number</i>	<i>Historical Statistics series</i>	<i>1980 Abstract table number</i>
<b>J—Con.</b>		<b>L—Con.</b>		<b>N—Con.</b>		<b>Q—Con.</b>	
J 8.....	401	L 169-170.....	1306	N 273.....	893	Q 577-590.....	1160
J 10-15.....	400	L 172, 174.....	1304	N 276.....	893	Q 591-603.....	1156
J 16-19.....	403	L 175.....	1307	N 291-297.....	1429	Q 604-623.....	1157
J 26-32.....	400	L 176-177.....	1308	N 300.....	888	Q 624-633.....	1160
J 33-34.....	1288	L 178-191.....	1304	N 302-307.....	1427		
J 41-42.....	402	L 192-198.....	1305			<b>R</b>	
J 50-65.....	1212	L 199-205.....	1296	<b>P</b>		R 1-16.....	986
J 66.....	395	L 206-210.....	1295	P 1-12.....	1434	R 17-30.....	983
J 71.....	395	L 212-223.....	1297	P 13.....	1436	R 31-45.....	985
J 76.....	395	L 224-226.....	1309	P 18-39.....	1436	R 46-70.....	984
J 85-91.....	1213	L 227-228.....	1325	P 58-67.....	1451	R 71-74.....	989
J 92-103.....	360	L 229.....	1309	P 74-92.....	1440	R 75-88.....	984
J 110-136.....	382	L 230-235.....	1325	P 93-106.....	966	R 89-92.....	989
J 164-267.....	382	L 236-253.....	1311	P 107-122.....	1444	R 106-122.....	983
J 268-278.....	380	L 254-261.....	1310	P 177-180.....	1454	R 123-139.....	982
		L 262-293.....	1321	P 205-211.....	1441	R 140-146.....	990
<b>K</b>		L 294-304.....	1317	P 227.....	1456	R 163-171.....	977
K 1-3.....	1193	L 305-310.....	1313	P 228.....	1461	R 172-186.....	980
K 4-7.....	1195	L 312-318.....	1326	P 229-230.....	1459	R 187.....	982
K 16.....	1216	L 321-337.....	1316	P 233-234.....	1276	R 188-191.....	981
K 17-81.....	1199	L 338-358.....	1323	P 235.....	1457	R 191-216.....	1012
K 82-113.....	1201	L 362-365.....	1324	P 236a.....	1457	R 218-223.....	1007
K 109-153.....	1204			P 239-241.....	1458	R 224-231.....	1006
K 162-173.....	1206	<b>M</b>		P 242-243.....	1463	R 232-243.....	1004
K 174-181.....	1240	M 1-12.....	1338	P 246-249.....	1467	R 244-257.....	1008
K 184-191.....	1237	M 13-37.....	1339	P 251.....	1467		
K 192.....	1222	M 38-53.....	1331	P 260-261.....	1464	<b>S</b>	
K 193.....	1239	M 54-67.....	1329	P 265-269.....	1473	S 1-14.....	1024
K 204-219.....	1217	M 68-71.....	1330	P 280.....	1482	S 32-52.....	1043
K 220-239.....	1218	M 76-92.....	1025			S 78-82.....	1043
K 251-255.....	1247	M 93-126.....	1362	<b>Q</b>		S 86-107.....	1043
K 256-258.....	1223	M 127.....	1077	Q 1-22.....	1094	S 133-146.....	1049
K 259-260.....	1222	M 128.....	1037	Q 23-35.....	1081	S 147-158.....	1048
K 261-263.....	1223	M 138-142.....	1353	Q 36-42.....	1087	S 160-175.....	1057
K 264-285.....	1222	M 143-146.....	1361	Q 50.....	1100	S 190-204.....	1054
K 286-302.....	1229	M 147-181.....	1380	Q 51-54.....	1101	S 205-218.....	1053
K 303-325.....	1230	M 162-177.....	1354	Q 55.....	1100		
K 326-329.....	1225	M 178.....	1353	Q 65-68.....	1105	<b>T</b>	
K 330-343.....	1228	M 181.....	1359	Q 69-75.....	1136	T 1-14.....	1489
K 344-353.....	1227	M 189-189.....	1363	Q 76-81.....	1137	T 15-28.....	1490
K 358-360.....	1236	M 190.....	1365	Q 90-94.....	1107	T 43-47.....	1491
K 361-367.....	1220	M 181-192.....	1366	Q 136-147.....	1103	T 43-57.....	1499
K 375-390.....	1220	M 193.....	1364	Q 148-155.....	1114	T 79-196.....	1503
K 407-413.....	1243	M 194.....	1367	Q 156-162.....	1125	T 197-219.....	1495
K 414-423.....	1244	M 195-199.....	1370	Q 163-174.....	1113	T 245-271.....	1493
K 430-444.....	1245	M 200.....	1371	Q 199-207.....	1109	T 274-287.....	1508
K 445-485.....	1245	M 201-202.....	1369	Q 208.....	1110	T 280-371.....	1510
K 486-495.....	1242	M 203-204.....	1368	Q 224-232.....	1130	T 375-383.....	1507
K 496-498.....	1252	M 205-211.....	1373	Q 238-250.....	1131	T 391-401.....	1513
K 502-505.....	1256	M 225-226.....	1380	Q 251-263.....	1153	T 444-471.....	1018
K 506-583.....	1253	M 227-228.....	1376	Q 284-312.....	1140	T 472-484.....	1017
K 589-590.....	1460	M 231-234.....	1378	Q 301-305.....	1143		
K 561-583.....	1265	M 235-241.....	1375	Q 313-315.....	1145	<b>U</b>	
K 564-569.....	1278	M 242-248.....	1372	Q 319.....	1146	U 1-25.....	1522
K 575-582.....	1280	M 249-250.....	1382	Q 330.....	1140	U 26-39.....	1525
K 583-594.....	1279	M 256-257.....	1383	Q 332.....	1149	U 41-46.....	1529
K 595-608.....	1282	M 258-262.....	1384	Q 356-363.....	1140	U 47-74.....	1528
K 609-623.....	1284	M 266-267.....	1381	Q 364-366.....	1144	U 75-186.....	1531
K 611.....	1285	M 268-269.....	1374	Q 367-377.....	1140	U 180-195.....	1536
K 614.....	1285	M 271-286.....	1343	Q 378.....	1144	U 207-212.....	1546
K 617.....	1285	M 287-306.....	1342	Q 385-387.....	1152	U 225-246.....	1539
K 621.....	1285			Q 386-397.....	1143	U 249-263.....	1540
		<b>N</b>		Q 398-399.....	1147	U 264-273.....	1547
<b>L</b>		N 1-29.....	1385	Q 414-416.....	1188	U 274-294.....	1544
L 10-14.....	1286	N 30-60.....	1386	Q 438-448.....	1183	U 295-316.....	1545
L 15-31.....	1288	N 66-69.....	1385	Q 449-458.....	1185	U 317-352.....	1541
L 32-43.....	1292	N 78-100.....	1388	Q 467-472.....	1186		
L 44-55.....	1291	N 118-137.....	1391	Q 473-480.....	1191	<b>V</b>	
L 72-86.....	1293	N 140-155.....	1392	Q 487-502.....	1184	V 1-12.....	926
L 87-97.....	1294	N 156-163.....	1397	Q 507-517.....	1179	V 20-30.....	972
L 98-112.....	1298	N 170.....	1399	Q 524-529.....	1177	V 21-24.....	971
L 113-121.....	1299	N 186-191.....	1419	Q 530-541.....	1170	V 38.....	968
L 122-137.....	1298	N 200-223.....	1402	Q 553-555.....	1181	V 42-53.....	929
L 138-150.....	1300	N 238-245.....	1408	Q 576.....	1164	V 78-107.....	942
L 151-165.....	1302	N 247-248.....	1420				
L 166.....	1303	N 249-258.....	1421				
L 168.....	1303	N 266-267.....	891				

# **Historical Series—Index to Tables in Which *Historical Statistics* Series Appear—Continued**

[See headnote, p. 940]

<i>Historical Statistics series</i>	<i>1980 Abstract table number</i>	<i>Historical Statistics series</i>	<i>1980 Abstract table number</i>	<i>Historical Statistics series</i>	<i>1980 Abstract table number</i>	<i>Historical Statistics series</i>	<i>1980 Abstract table number</i>
V—Con.		X		X—Con.		Y—Con.	
V 108-127 .....	947	X 64-105 .....	866	X 864-878 .....	889	Y 335-338 .....	438
V 129-136 .....	948	X 114-147 .....	863	X 879-889 .....	914	Y 339-342 .....	430
V 137 .....	462	X 192 .....	862	X 890-907 .....	915	Y 343-351 .....	434
V 141-166 .....	946	X 229 .....	862	X 908-917 .....	917	Y 358-373 .....	446
V 167-183 .....	950	X 410-417 .....	902	X 918 .....	923	Y 381-392 .....	461
V 182-196 .....	462	X 423 .....	899	X 923 .....	923	Y 393-411 .....	449
V 197-212 .....	1049	X 444-453 .....	903	X 928 .....	923	Y 412-439 .....	454
V 306-332 .....	940	X 454-455 .....	904	X 933 .....	923	Y 458-460 .....	596
		X 474-491 .....	907	X 940 .....	923	Y 461 .....	463
W		X 492-498 .....	909	X 957-962 .....	921	Y 466-487 .....	436
		X 499-500 .....	910			Y 493-494 .....	463
W 14 .....	695	X 505-506 .....	910			Y 497 .....	464
W 17 .....	695	X 517-530 .....	908	Y		Y 500-504 .....	464
W 19 .....	695	X 536-539 .....	912			Y 505-637 .....	485
W 22-25 .....	693	X 551-560 .....	894	Y 79-83 .....	825	Y 638-651 .....	490
W 30-54 .....	695	X 588-608 .....	879	Y 84-134 .....	826	Y 652-848 .....	485
W 62-65 .....	695	X 687-688 .....	887	Y 135-186 .....	827	Y 856-903 .....	620
W 67-81 .....	1243	X 716-724 .....	874	Y 189-198 .....	839	Y 904-916 .....	612
W 82-95 .....	1010	X 717-721 .....	880	Y 199-203 .....	840	Y 927-942 .....	623
W 96-108 .....	962	X 741-755 .....	872	Y 204-210 .....	838	Y 943-956 .....	633
W 109-125 .....	1063	X 756-761 .....	878	Y 211-214 .....	836	Y 957-970 .....	632
W 126 .....	1064	X 796-805 .....	869	Y 220-271 .....	834	Y 971-983 .....	639
W 142 .....	1065	X 813-820 .....	872	Y 272-307 .....	519	Y 984-987 .....	642
W 144-160 .....	1067	X 821-833 .....	887	Y 308-317 .....	472	Y 998-999 .....	640
W 167 .....	1074	X 834-844 .....	885	Y 318-331 .....	474	Y 1010-1027 ..	645

## APPENDIX II

### Metropolitan Area Concepts and Components

Statistics for metropolitan areas shown in the *Statistical Abstract* represent areas designated by the U.S. Office of Federal Statistical Policy and Standards (OFSPS) as standard metropolitan statistical areas (SMSA's). Definitions of the SMSA's in terms of their geographic components are presented in Office of Management and Budget (OMB), *Standard Metropolitan Statistical Areas*, 1975, Revised Edition. OFSPS issues amendments to update this publication when changes in SMSA definitions are made.

The list of areas, their components, and population totals, which follows (see p. 946), is based on the SMSA definitions in effect on Dec. 31, 1979. On that date, there were 288 SMSA's (including 4 in Puerto Rico). The figures in tables A, B, and C below (see p. 944), exclude the four areas in Puerto Rico, as do most of the tables in this report.

The general concept of a metropolitan area is one of an integrated economic and social unit with a large population nucleus. Standard definitions of metropolitan statistical areas were first issued by the then Bureau of the Budget (predecessor of OMB) in 1949, under the designation "Standard Metropolitan Areas"; the present designation was adopted in 1959. In October 1977, OFSPS was transferred to the U.S. Department of Commerce.

The criteria for the establishment and definition of SMSA's have undergone several modifications since 1949. The current criteria were adopted in March 1976; they provide that each SMSA must include at least:

- (a) One city with 50,000 or more inhabitants, or
- (b) A city with at least 25,000 inhabitants, which, together with contiguous places (incorporated or unincorporated) having population densities of at least 1,000 persons per square mile, has a combined population of 50,000 and constitutes for general economic and social purposes a single community, provided that the county or counties in which the city and contiguous places are located has a total population of at least 75,000. (In New England, the cities and towns qualifying for inclusion in an SMSA must have a total population of at least 75,000.)

In addition to the central city or cities, the criteria provide that the SMSA include the county in which the central city is located, and adjacent counties that are determined to be metropolitan in character and economically and socially integrated with the county of the central city, according to specific rules. (In New England, as noted below, the units comprising the area are cities and towns rather than counties.) The largest city in each SMSA is designated a "central city" (except the Nassau-Suffolk, N.Y., SMSA which has no central city); in addition, there may be up to two additional central cities if certain criteria are met. With two exceptions (Nassau-Suffolk, N.Y. and Northeast, Pennsylvania), the title of each SMSA includes the names of its central city or cities. An SMSA may include other cities of 50,000 or more besides its central cities, and may include territory in more than one State.

Recent editions (1967-1975) of the *Abstract* have included a section entitled "Metropolitan Area Statistics," which presented numerous items of statistical information for SMSA's. In its place, a much more comprehensive *State and Metropolitan Area Data Book* will be issued on a biennial basis; the first issue is scheduled for release in 1980.

**New England SMSA's and NECMA's.** Because SMSA's in New England are defined in terms of cities and towns, rather than counties, some statistical data that are available only for counties cannot be compiled for individual New England SMSA's. Therefore, for New England areas, data are shown for both New England County Metropolitan Areas (NECMA's) and SMSA's wherever possible. The NECMA's provide a county version of the New England areas defined following

criteria adopted by OMB in March 1976 which are identical to those used to define SMSA's in the other States. NECMA's do not replace New England SMSA's as the standard areas.

**Standard Consolidated Statistical Areas.**—Standard consolidated statistical areas (SCSA's), defined under criteria adopted by OMB in August 1975, include two or more contiguous SMSA's which meet certain criteria of size, urban character, integration, and contiguity of urbanized areas.

**Effect of changes in SMSA definitions.**—Changes in the definitions of SMSA's since 1949 have included the recognition of new areas as, for example, cities reached 50,000 population, and large counties (or towns in New England) were added to existing SMSA's. Also, several formerly separate SMSA's have been merged, and occasionally territory has been transferred from one SMSA to another or (in rare instances) from an SMSA to nonmetropolitan territory. Comparisons of SMSA figures over time may be affected in cases where the SMSA definitions were changed. To maintain comparability, data for an earlier period have been revised in this volume, where possible, to reflect the SMSA boundaries of the more recent period. However, this could not always be done. For data based on a sample survey, in particular, it is usually not possible to reflect changes in SMSA definitions that occurred after the survey was made.

In the three tables that follow, data are given for SMSA's as defined for specified dates, thereby indicating the extent of change in population and land area resulting from revisions in definitions.

TABLE A. NUMBER, POPULATION, AND LAND AREA OF SMSA'S AS DEFINED AT SPECIFIED DATES: 1940 TO 1977

[The differences in population shown here for each year in the successive columns of the table result entirely from net expansion of metropolitan territory through changes in the SMSA definitions. The differences in population shown for each SMSA definition (on the successive lines of the table) result entirely from population changes within that territory, unaffected by changes in SMSA definitions. The changes in 1970 land area result entirely from net expansion of SMSA territory. All data include Alaska and Hawaii and exclude Puerto Rico. Subtraction of any line of the table from the line below will show the net effect of change in population and land area undergone by the SMSA's as the result of changes in definitions between the specified dates. Such changes typically occurred throughout the period, not on any single date, and may have included subtractions from, as well as additions to, SMSA territory. Census population data do not include corrections made since publication; therefore, data will not strictly agree with those shown in other tables of this *Abstract*. The area data for the 1950 and 1960 census definitions of SMSA's differ from the data published in those censuses because they are based on a remeasurement of land areas made during the 1960's, and also reflect changes in inland water area occurring up to 1970]

SMSA DEFINITION AS OF—	Number of SMSA's	POPULATION (1,000)						Land area, 1970 (1,000 sq. mi.)
		1940, Apr. 1	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1975, July 1	1977, July 1	
1950 census (Mar. 1952).....	169	<sup>1</sup> 69,535	<sup>2</sup> 84,854	106,345	122,132	124,644	125,549	207
1960 census (Nov. 1960).....	212	<sup>3</sup> 72,845	89,317	<sup>4</sup> 112,885	130,925	134,839	136,168	310
1964 (Aug. 31) <sup>5</sup> .....	217	74,869	91,644	115,876	134,639	139,005	140,499	350
1968 (Jan. 31) <sup>6</sup> .....	280	76,408	93,630	118,414	137,915	142,728	144,360	378
1970 census (Feb. 28, 1971) ..	243	77,155	94,579	<sup>7</sup> 119,593	<sup>8</sup> 139,419	144,373	146,064	<sup>9</sup> 388
1974 (Apr. 30) <sup>10</sup> .....	265	<sup>11</sup> 82,038	<sup>12</sup> 100,220	<sup>13</sup> 126,614	148,132	154,214	156,232	491
1977 (Dec. 31).....	277	82,805	101,109	127,675	149,414	155,651	157,744	510
1979 (Dec. 31).....	284	83,143	101,515	128,187	150,007	156,283	158,406	527

<sup>1</sup> Corresponds to total 1940 population for 1950 SMSA's published in 1950 census (69,279,675), with addition of Honolulu SMSA, and corrected by subtracting population (3,194) of Colonial Heights town erroneously included in Richmond SMSA.

<sup>2</sup> Corresponds to total SMSA population for 1950 published in 1950 census (84,500,680), plus Honolulu SMSA.

<sup>3</sup> Corresponds to total 1940 population for 1960 SMSA's published in 1960 census (72,834,468), corrected by adding population (13,277) erroneously omitted from Stamford SMSA (remainder of Stamford town), and subtracting population (3,194) of Colonial Heights town erroneously included in Richmond SMSA.

<sup>4</sup> Corresponds to total SMSA population for 1960 published in 1960 census (112,885,178), corrected by subtracting population (39) erroneously included in Franklin County, Ohio (Columbus SMSA).

<sup>5</sup> SMSA's as defined for the 1963 economic censuses. <sup>6</sup> SMSA's as defined for the 1967 economic censuses. <sup>7</sup> Corresponds to total 1960 population for 1970 SMSA's published in 1970 census (119,594,754), corrected by subtracting 1,256 population from Lawrence-Haverhill SMSA; this represented an addition to the 1960 population of Andover town made subsequent to the original census tabulations, and therefore not reflected in State or national totals.

<sup>8</sup> Corresponds to total SMSA population for 1970 published in 1970 census. <sup>9</sup> Corresponds to total SMSA land area published in 1970 census (387,616 square miles), corrected by subtracting 15 square miles erroneously included in Roanoke SMSA and 3 square miles included due to erroneous addition of area data.

<sup>10</sup> SMSA's as defined for the 1972 economic censuses. <sup>11</sup> Includes estimated 1939 population (4,429) of Anchorage Census Division, as defined in 1970. <sup>12</sup> Includes estimated 1950 population (32,060) of Anchorage Census Division, as defined in 1970.

<sup>13</sup> Includes 1960 population (82,833) of Anchorage Census Division, as defined in 1970.

Source: U.S. Bureau of the Census, 1940-1970, *U.S. Census of Population*, vol. 1; thereafter, *Current Population Reports*, series P-25, No. 810.

TABLE B. NONMETROPOLITAN POPULATION AND LAND AREA AT SPECIFIED DATES: 1940 TO 1977

[See headnote for table A, p. 944. Nonmetropolitan population and land area are equivalent to that portion of the total national population and land area not included within SMSA's at the dates specified]

NONMETROPOLITAN POPULATION AS OF—	POPULATION (1,000)						Land area, 1970 (1,000 sq. mi.)
	1940, Apr. 1	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1975, July 1	1977, July 1	
1950 census (Mar. 1952) .....	62,630	66,472	72,979	81,080	88,530	90,988	3,329
1960 census (Nov. 1960) .....	59,320	62,009	66,438	72,287	78,336	80,370	3,227
1964 (Aug. 31) .....	57,295	59,682	63,447	68,573	74,169	76,038	3,187
1968 (Jan. 31) .....	55,756	57,696	60,910	65,297	70,446	72,177	3,159
1970 census (Feb. 28, 1971) .....	55,010	56,747	59,730	63,793	68,801	70,473	3,149
1974 (Apr. 30) .....	50,127	51,016	52,709	55,080	58,961	60,305	3,046
1977 (Dec. 31) .....	49,360	50,217	51,648	53,798	57,523	58,794	3,026
1978 (Dec. 31) .....	49,246	50,078	51,464	53,590	57,305	58,570	3,019
1979 (Dec. 31) .....	49,021	49,811	51,136	53,205	56,892	58,131	3,010

Source: U.S. Bureau of the Census, 1940-1970, *U.S. Census of Population*, vol. 1; thereafter, *Current Population Reports*, series P-25, No. 810.

TABLE C. PERCENT OF TOTAL U.S. POPULATION AND PERCENT OF LAND AREA INSIDE SMSA'S AS DEFINED AT SPECIFIED DATES: 1940 TO 1977

[See headnote for table A, p. 944.]

PERCENT AS OF —	PERCENT OF POPULATION						Land area, 1970
	1940, Apr. 1	1950, Apr. 1	1960, Apr. 1	1970, Apr. 1	1975, July 1	1977, July 1	
1950 census (Mar. 1952) .....	52.6	56.1	59.3	60.1	58.5	58.0	5.9
1960 census (Nov. 1960) .....	55.1	59.0	63.0	64.4	63.3	62.9	8.8
1964 (Aug. 31) .....	56.6	60.6	64.6	60.3	65.2	64.9	9.9
1968 (Jan. 31) .....	57.8	61.9	66.0	67.9	67.0	66.7	10.7
1970 census (Feb. 28, 1971) .....	58.4	62.5	66.7	68.0	67.7	67.5	11.0
1974 (Apr. 30) .....	62.1	66.2	70.6	72.9	72.3	72.2	13.9
1977 (Dec. 31) .....	62.7	66.8	71.2	73.5	73.0	72.8	14.4
1978 (Dec. 31) .....	62.7	66.9	71.3	73.6	73.1	73.0	14.6
1979 (Dec. 31) .....	62.9	67.1	71.5	73.8	73.3	73.2	14.9

Source: U.S. Bureau of the Census, 1940-1970, *U.S. Census of Population*, vol. 1; thereafter, *Current Population Reports*, series P-25, No. 810.

## APPENDIX II

### Standard Metropolitan Statistical Areas as of December 31, 1979

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Ablene, Tex</b> .....	132	<b>Atlanta, Ga</b> .....	1,852	<b>Binghamton, N.Y.-Pa</b> .....	303
Callahan County .....	10	Butts County .....	13	Broome County, N.Y. ....	218
Jones County .....	16	Cherokee County .....	42	Tioga County, N.Y. ....	50
Taylor County .....	105	Clayton County .....	137	Susquehanna County, Pa .....	36
<b>Akron, Ohio</b> .....	657	Cobb County .....	259		
Portage County .....	133	De Kalb County .....	460	<b>Birmingham, Ala</b> .....	818
Summit County .....	524	Douglas County .....	49	Jefferson County .....	657
<b>Albany, Ga</b> .....	105	Fayette County .....	24	St. Clair County .....	37
Dougherty County .....	95	Forsyth County .....	23	Shelby County .....	58
Lee County .....	10	Fulton County .....	561	Walker County .....	66
<b>Albany-Schenectady-Troy, N.Y</b> .....	792	Gwinnett County .....	137		
Albany County .....	285	Henry County .....	30	<b>Bismark, N.D</b> .....	76
Montgomery County .....	55	Newton County .....	33	Burleigh County .....	52
Rensselaer County .....	150	Paulding County .....	23	Norton County .....	24
Saratoga County .....	148	Rockdale County .....	32		
Schenectady County .....	154	Walton County .....	29	<b>Bloomington, Ind</b> .....	92
<b>Albuquerque, N. Mex</b> .....	409	<b>Atlantic City, N.J</b> .....	190	Monroe County .....	92
Bernalillo County .....	384	Atlantic County .....	190	<b>Bloomington-Normal, Ill</b> .....	119
Sandoval County .....	25	<b>Augusta, Ga.-S.C</b> .....	291	McLean County .....	119
<b>Alexandria, La</b> .....	140	Columbia County, Ga .....	34	<b>Boise City, Idaho</b> .....	153
Grant Parish .....	15	Richmond County, Ga .....	158	Ada County .....	153
Rapides Parish .....	125	Aiken County, S.C. ....	99		
<b>Allentown-Bethlehem-Easton, Pa.-N.J.</b> .....	628	<b>Austin, Tex</b> .....	478	<b>Boston, Mass</b> .....	2,835
Carbon County, Pa .....	52	Hays County .....	35	Essex County (pt.) .....	329
Lehigh County, Pa .....	264	Travis County .....	385	Middlesex County (pt.) .....	1,051
Northampton County, Pa .....	226	Williamson County .....	58	Norfolk County (pt.) .....	611
Warren County, N.J. ....	84	<b>Bakersfield, Calif</b> .....	365	Plymouth County (pt.) .....	162
<b>Altoona, Pa</b> .....	134	Kern County .....	365	Suffolk County .....	683
Blair County .....	134	<b>Baltimore, Md</b> .....	2,145	(See also Boston NECMA, p. 952.)	
<b>Amarillo, Tex</b> .....	158	Baltimore city .....	790		
Potter County .....	92	Anne Arundel County .....	361	<b>Bradenton, Fla</b> .....	129
Randall County .....	66	Baltimore County .....	639	Manatee County .....	129
<b>Anaheim-Santa Ana-Garden Grove, Calif</b> .....	1,833	Carroll County .....	93	<b>Bridgeport, Conn</b> .....	394
Orange County .....	1,833	Harford County .....	146	Fairfield County (pt.) .....	332
<b>Anchorage, Alaska</b> .....	180	Howard County .....	117	New Haven County (pt.) .....	62
Anchorage Census Div .....	180	<b>Baton Rouge, La</b> .....	445	(See also Bridgeport NECMA, p. 952.)	
<b>Anderson, Ind</b> .....	138	Ascension Parish .....	44	<b>Bristol, Conn</b> .....	74
Madison County .....	138	East Baton Rouge Parish .....	332	Hartford County (pt.) .....	63
<b>Ann Arbor, Mich</b> .....	255	Livingston Parish .....	50	Litchfield County (pt.) .....	11
Washtenaw County .....	255	West Baton Rouge Parish .....	18	(See also Hartford NECMA, p. 952.)	
<b>Anniston, Ala</b> .....	117	<b>Battle Creek, Mich</b> .....	184	<b>Brockton, Mass</b> .....	164
Calhoun County .....	117	Barry County .....	43	Bristol County (pt.) .....	16
<b>Appleton-Oshkosh, Wis</b> .....	291	Calhoun County .....	141	Norfolk County (pt.) .....	5
Calumet County .....	29	<b>Bay City, Mich</b> .....	122	Plymouth County (pt.) .....	144
Outagamie County .....	128	Bay County .....	122	(See also Boston NECMA, p. 952.)	
Winnebago County .....	133	<b>Beaumont-Port Arthur-Orange, Tex</b> .....	364	<b>Brownsville-Harlingen- San Benito, Tex</b> .....	177
<b>Asheville, N.C</b> .....	172	Hardin County .....	38	Cameron County .....	177
Buncombe County .....	154	Jefferson County .....	245	<b>Bryan-College Station, Tex</b> .....	76
Madison County .....	17	Orange County .....	81	Brazos County .....	76
		<b>Billings, Mont</b> .....	104		
		Yellowstone County .....	104		
		<b>Biloxi-Gulfport, Miss</b> .....	176		
		Hancock County .....	20		
		Harrison County .....	148		
		Stone County .....	8		

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Buffalo, N.Y.</b> .....	1,303	<b>Columbus, Ohio</b> .....	1,089	<b>El Paso, Tex.</b> .....	443
Erie County.....	1,066	Delaware County.....	53	El Paso County.....	443
Niagara County.....	237	Fairfield County.....	89		
<b>Burlington, N.C.</b> .....	98	Franklin County.....	871	<b>Elkhart, Ind.</b> .....	136
Alamance County.....	98	Madison County.....	32	Elkhart County.....	136
		Pickaway County.....	44		
<b>Canton, Ohio</b> .....	404	<b>Corpus Christi, Tex.</b> .....	302	<b>Elmira, N.Y.</b> .....	98
Carroll County.....	26	Nueces County.....	249	Chemung County.....	98
Stark County.....	378	San Patricio County.....	53		
<b>Cedar Rapids, Iowa</b> .....	167	<b>Dallas-Fort Worth, Tex.</b> .....	2,720	<b>Enid, Okla.</b> .....	63
Linn County.....	167	Collin County.....	110	Garfield County.....	63
<b>Champaign-Urbana-Rantoul, Ill.</b> .....	164	Dallas County.....	1,484		
Champaign County.....	164	Denton County.....	104	<b>Erie, Pa.</b> .....	269
		Ellis County.....	54	Erie County.....	269
<b>Charlestown-North</b> .....		Hood County.....	12		
<b>Charleston, S.C.</b> .....	389	Johnson County.....	60	<b>Eugene-Springfield, Oreg.</b> .....	258
Berkeley County.....	76	Kaufman County.....	36	Lane County.....	258
Charlestown County.....	261	Parker County.....	37		
Dorchester County.....	52	Rockwall County.....	11	<b>Evansville, Ind.-Ky.</b> .....	295
		Tarrant County.....	790	Gibson County, Ind.....	32
<b>Charleston, W. Va.</b> .....	261	Wise County.....	23	Posey County, Ind.....	24
Kanawha County.....	227			Vanderburgh County, Ind.....	163
Putnam County.....	34	<b>Danbury, Conn.</b> .....	142	Warrick County, Ind.....	38
		Fairfield County (pt.).....	124	Henderson County, Ky.....	39
<b>Charlotte-Gastonia, N.C.</b> .....	606	Litchfield County (pt.).....	19		
Gaston County.....	156	(See also Bridgeport NECMA,		<b>Fall River, Mass.-R.I.</b> .....	183
Mecklenburg County.....	385	p. 952.)		Bristol County, Mass. (pt.).....	152
Union County.....	65			Newport County, R.I. (pt.).....	32
				(See also New Bedford	
<b>Chattanooga, Tenn.-Ga.</b> .....	401	<b>Davenport-Rock Island-Moline,</b>		NECMA, p. 952.)	
Hamilton County, Tenn.....	270	<b>Iowa-Ill.</b> .....	374		
Marion County, Tenn.....	23	Scott County, Iowa.....	156	<b>Fargo-Moorhead, N. Dak.-Minn.</b> .....	132
Sequatchie County, Tenn.....	8	Henry County, Ill.....	57	Cass County, N. Dak.....	85
Catoosa County, Ga.....	36	Rock Island County, Ill.....	162	Clay County, Minn.....	48
Dade County, Ga.....	12				
Walker County, Ga.....	53	<b>Dayton, Ohio</b> .....	834	<b>Fayetteville, N.C.</b> .....	233
		Greene County.....	129	Cumberland County.....	233
<b>Chicago, Ill.</b> .....	7,030	Miami County.....	88		
Cook County.....	5,270	Montgomery County.....	580	<b>Fayetteville-Springdale, Ark.</b> .....	161
Du Page County.....	599	Preble County.....	37	Benton County.....	66
Kane County.....	277			Washington County.....	94
Lake County.....	429	<b>Daytona Beach, Fla.</b> .....	218		
McHenry County.....	140	Volusia County.....	218	<b>Fitchburg-Leominster, Mass.</b> .....	96
Will County.....	315			Middlesex County (pt.).....	10
		<b>Decatur, Ill.</b> .....	128	Worcester County (pt.).....	85
<b>Cincinnati, Ohio-Ky.-Ind.</b> .....	1,389	Macon County.....	128	(See also Worcester	
Clermont County, Ohio.....	120			NECMA, p. 952.)	
Hamilton County, Ohio.....	885	<b>Denver-Boulder, Colo.</b> .....	1,505		
Warren County, Ohio.....	93	Adams County.....	234	<b>Flint, Mich.</b> .....	521
Boone County, Ky.....	42	Arapahoe County.....	254	Genesee County.....	451
Campbell County, Ky.....	84	Boulder County.....	175	Shiawassee County.....	70
Kenton County, Ky.....	132	Denver County.....	469		
Dearborn County, Ind.....	33	Douglas County.....	23	<b>Florence, Ala.</b> .....	127
		Gilpin County.....	2	Colbert County.....	50
<b>Clarksville-Hopkinsville,</b>		Jefferson County.....	349	Lauderdale County.....	77
<b>Tenn.-Ky.</b> .....	148				
Montgomery County, Tenn.....	80	<b>Des Moines, Iowa</b> .....	334	<b>Fort Collins, Colo.</b> .....	131
Christian County, Ky.....	68	Polk County.....	300	Larimer County.....	131
		Warren County.....	34		
<b>Cleveland, Ohio</b> .....	1,939	<b>Detroit, Mich.</b> .....	4,386	<b>Fort Lauderdale-Hollywood,</b>	
Cuyahoga County.....	1,542	Lapeer County.....	67	<b>Fla.</b> .....	882
Geauga County.....	73	Livingston County.....	92	Broward County.....	882
Lake County.....	212	Macomb County.....	693		
Medina County.....	112	Oakland County.....	1,009	<b>Fort Myers, Fla.</b> .....	183
		St. Clair County.....	134	Lee County.....	183
<b>Colorado Springs, Colo.</b> .....	291	Wayne County.....	2,391		
El Paso County.....	285			<b>Fort Smith, Ark.-Okla.</b> .....	190
Teller County.....	7	<b>Dubuque, Iowa</b> .....	93	Crawford County, Ark.....	33
		Dubuque County.....	93	Sebastian County, Ark.....	91
<b>Columbia, Mo.</b> .....	91			Le Flore County, Okla.....	38
Boone County.....	91	<b>Duluth-Superior, Minn.-Wis.</b> .....	266	Sequoyah County, Okla.....	29
		St. Louis County, Minn.....	221		
<b>Columbia, S.C.</b> .....	380	Douglas County, Wis.....	45	<b>Fort Wayne, Ind.</b> .....	378
Lexington County.....	131			Adam County.....	28
Richland County.....	250	<b>Durham, N.C.</b> .....		Allen County.....	291
		(See Raleigh-Durham SMSA.)		De Kalb County.....	32
<b>Columbus, Ga.-Ala.</b> .....	228			Wells County.....	25
Columbus (consolidated govt.),		<b>Eau Claire, Wis.</b> .....	126		
Ga.....	165	Chippewa County.....	51	<b>Fort Worth, Tex.</b> .....	
Chatahoochee County, Ga.....	17	Eau Claire County.....	75	(See Dallas-Forth Worth SMSA.)	
Russell County, Ala.....	47				

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.



	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Fresno, Calif</b> .....	479	<b>Huntington-Ashland,</b>		<b>Killeen-Temple, Tex</b> .....	209
Fresno County .....	479	W. Va.-Ky.-Ohio .....	300	Bell County .....	162
<b>Gadsden, Ala</b> .....	99	Cabell County, W. Va. ....	105	Coryell County .....	47
Etowah County .....	99	Wayne County, W. Va. ....	41	<b>Knoxville, Tenn</b> .....	456
<b>Gainesville, Fla</b> .....	130	Boyd County, Ky .....	55	Anderson County .....	66
Alachua County .....	130	Greenup County, Ky .....	37	Blount County .....	76
<b>Galveston-Texas City,</b>		Lawrence County, Ohio .....	62	Knox County .....	302
<b>Tex</b> .....	198	<b>Huntsville, Ala</b> .....	293	Union County .....	12
Galveston County .....	198	Limestone County .....	44	<b>Kokomo, Ind</b> .....	104
<b>Gary-Hammond-East</b>		Madison County .....	187	Howard County .....	88
<b>Chicago, Ind</b> .....	648	Marshall County .....	62	Tipton County .....	16
Lake County .....	539	<b>Indianapolis, Ind</b> .....	1,156	<b>La Crosse, Wis</b> .....	90
Porter County .....	109	Boone County .....	34	La Crosse County .....	90
<b>Gastonia, N.C.</b>		Hamilton County .....	79	<b>Lafayette, La</b> .....	134
(See Charlotte-Gastonia SMSA.)		Hancock County .....	42	Lafayette Parish .....	134
<b>Grand Forks, N.D.-Minn</b>	100	Hendricks County .....	66	<b>Lafayette-West Lafayette,</b>	
Grand Forks County, .....		Johnson County .....	76	<b>Ind</b> .....	115
N.D. ....	65	Marion County .....	768	Tipppecanoe County .....	115
Polk County, Minn. ....	35	Morgan County .....	51	<b>Lake Charles, La</b> .....	158
<b>Grand Rapids, Mich.</b> .....	585	Shelby County .....	39	Calcasieu Parish .....	158
Kent County .....	436	<b>Iowa City, Iowa</b> .....	78	<b>Lakeland-Winter Haven,</b>	
Ottawa County .....	149	Johnson County .....	78	<b>Fla</b> .....	278
<b>Great Falls, Mont</b> .....	86	<b>Jackson, Mich</b> .....	150	Polk County .....	278
Cascade County .....	86	Jackson County .....	150	<b>Lancaster, Pa</b> .....	351
<b>Greeley, Colo</b> .....	110	<b>Jackson, Miss</b> .....	299	Lancaster County .....	351
Weld County .....	110	Hinds County .....	236	<b>Lansing-East Lansing,</b>	
<b>Green Bay, Wis</b> .....	178	Rapkin County .....	62	<b>Mich</b> .....	458
Brown County .....	178	<b>Jacksonville, Fla</b> .....	702	Clinton County .....	55
<b>Greensboro-Winston-Salem-</b>		Baker County .....	13	Eaton County .....	82
<b>High Point, N.C</b> .....	779	Clay County .....	59	Ingham County .....	271
Davidson County .....	103	Duval County .....	555	Ionia County .....	50
Forsyth County .....	229	Nassau County .....	31	<b>Laredo, Tex</b> .....	86
Guilford County .....	305	St. Johns County .....	43	Webb County .....	86
Randolph County .....	85	<b>Janesville-Beloit, Wis</b> .....	134	<b>Las Cruces, N.M</b> .....	85
Stokes County .....	30	Rock County .....	134	Dona Ana County .....	85
Yadkin County .....	27	<b>Jersey City, N.J.</b> .....	554	<b>Las Vegas, Nev</b> .....	377
<b>Greenville-Spartanburg,</b>		Hudson County .....	554	Clark County .....	377
<b>S.C</b> .....	541	<b>Johnson City-Kingsport-</b>		<b>Lawrence, Kans</b> .....	65
Greenville County .....	272	<b>Bristol, Tenn.-Va</b> .....	411	Douglas County .....	65
Pickens County .....	73	Carter, Tenn .....	48	<b>Lawrence-Haverhill,</b>	
Spartanburg County .....	197	Hawkins, Tenn .....	39	<b>Mass.-N.H</b> .....	272
<b>Hamilton-Middletown,</b>		Sullivan, Tenn .....	139	Essex County, Mass. (pt.) .....	224
<b>Ohio</b> .....	256	Unicoi, Tenn .....	16	Rockingham County,	
Butler County .....	256	Washington, Tenn .....	83	N.H. (pt.) .....	48
<b>Harrisburg, Pa</b> .....	430	Bristol, Va .....	21	(See also Boston	
Cumberland County .....	174	Scott, Va .....	25	NECMA, p. 952.)	
Dauphin County .....	222	Washington, Va .....	42	<b>Lawton, Okla</b> .....	120
Perry County .....	34	<b>Johnstown, Pa</b> .....	265	Comanche County .....	120
<b>Hartford, Conn</b> .....	726	Cambria County .....	185	<b>Lewiston-Auburn, Maine</b> .....	72
Hartford County (pt.) .....	605	Somerset County .....	80	Androscoggin County	
Litchfield County (pt.) .....	5	<b>Kalamazoo-Portage, Mich</b> .....	270	(pt.) .....	72
Middlesex County (pt.) .....	26	Kalamazoo County .....	208	(See also Lewiston	
New London County		Van Buren County .....	62	NECMA, p. 952.)	
(pt.) .....	8	<b>Kankakee, Ill</b> .....	97	<b>Lexington-Fayette, Ky</b> .....	300
Tolland County (pt.) .....	83	Kankakee County .....	97	Bourbon County .....	20
(See also Hartford		<b>Kansas City, Mo.-Kans</b> .....	1,325	Clark County .....	27
NECMA, p. 952.)		Cass County, Mo .....	49	Fayette County .....	192
<b>Honolulu, Hawaii</b> .....	720	Clay County, Mo .....	137	Jessamine County .....	24
Honolulu County .....	720	Jackson County, Mo .....	640	Scott County .....	20
<b>Houston, Tex</b> .....	2,595	Platte County, Mo .....	43	Woodford County .....	17
Brazoria County .....	144	Ray County, Mo .....	19	<b>Lima, Ohio</b> .....	212
Fort Bend County .....	95	Johnson County, Kans .....	263	Allen County .....	108
Harris County .....	2,194	Wyandotte County,		Auglaize County .....	42
Liberty County .....	42	Kans .....	174	Putnam County .....	31
Montgomery County .....	105	<b>Kenosha, Wis</b> .....	124	Van Wert County .....	31
Waller County .....	16	Kenosha County .....	124		

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Lincoln, Nebr</b> .....	186	<b>Milwaukee, Wis</b> .....	1,417	<b>New London-Norwich</b>	
Lancaster County .....	186	Milwaukee County .....	982	Conn .....	253
<b>Little Rock-North Little</b>		Ozaukee County .....	69	Middlesex County, Conn. (pt.) .....	9
<b>Rock, Ark</b> .....	376	Washington County .....	84	New London County,	
Pulaski County .....	329	Waukesha County .....	282	Conn. (pt.) .....	220
Saline County .....	47	<b>Minneapolis-St. Paul,</b>		Washington County,	
<b>Long Branch-Asbury Park,</b>		<b>Minn.-Wis</b> .....	2,063	R.I. (pt.) .....	24
<b>N.J.</b> .....	500	Anoka County, Minn. ....	200	(See also New London	
Monmouth County .....	500	Carver County, Minn. ....	36	NECMA, p. 952.)	
<b>Longview-Marshall, Tex.</b> .....	134	Chisago County, Minn. ....	24	<b>New Orleans, La</b> .....	1,141
Gregg County .....	87	Dakota County, Minn. ....	190	Jefferson Parish .....	427
Harrison County .....	47	Hennepin County, Minn. ....	910	Orleans Parish .....	559
<b>Lorain-Elyria, Ohio</b> .....	271	Ramsey County, Minn. ....	452	St. Bernard Parish .....	62
Lorain County .....	271	Scott County, Minn. ....	43	St. Tammany Parish .....	93
<b>Los Angeles-Long Beach, Calif</b>	7,081	Washington County,		<b>New York, N.Y.-N.J.</b> .....	9,222
Los Angeles County .....	7,081	Minn. ....	115	New York City, N.Y. ....	7,149
<b>Louisville, Ky.-Ind</b> .....	887	Wright County, Minn. ....	52	Bronx County, N.Y. ....	1,235
Bullitt County, Ky. ....	39	St. Croix County, Wis. ....	41	Kings County, N.Y. ....	2,276
Jefferson County, Ky. ....	678	<b>Mobile, Ala</b> .....	435	New York County,	
Oldham County, Ky. ....	24	Baldwin County .....	74	N.Y. ....	1,358
Clark County, Ind. ....	88	Mobile County .....	362	Queens County, N.Y. ....	1,942
Floyd County, Ind. ....	59	<b>Modesto, Calif</b> .....	246	Richmond County,	
<b>Lowell, Mass.-N.H.</b> .....	229	Stanislaus County .....	246	N.Y. ....	338
Middlesex County, Mass. ....	221	<b>Monroe, La</b> .....	131	Putnam County, N.Y. ....	72
Hillsborough County, N.H. ....	8	Ouachita Parish .....	131	Rockland County, N.Y. ....	259
(See also Boston		<b>Montgomery, Ala</b> .....	258	Westchester County,	
NECMA, p. 952.)		Autauga County .....	29	N.Y. ....	877
<b>Lubbock, Tex</b> .....	200	Elmore County .....	41	Bergen County, N.J. ....	865
Lubbock County .....	200	Montgomery County .....	188	<b>Newark, N.J.</b> .....	1,951
<b>Lynchburg, Va</b> .....	148	<b>Muncie, Ind</b> .....	128	Essex County .....	830
Lynchburg city .....	65	Delaware County .....	128	Morris County .....	404
Amherst County .....	28	<b>Muskegon-Norton</b>		Somerset County .....	208
Appomattox County .....	12	<b>Shores-Muskegon</b>		Union County .....	510
Campbell County .....	44	<b>Heights, Mich</b> .....	180	<b>Newport News-Hampton,</b>	
<b>Macon, Ga</b> .....	243	Muskegon County .....	159	<b>Va</b> .....	361
Bibb County .....	144	Oceana County .....	21	Hampton city .....	124
Houston County .....	75	<b>Nashua, N.H.</b> .....	111	Newport News city .....	144
Jones County .....	6	Hillsborough County		Poquoson city <sup>2</sup> .....	9
Twiggs County .....	8	(pt.) .....	111	Williamsburg city .....	11
<b>Madison, Wis</b> .....	319	(See also Manchester NECMA,		Gloucester County .....	18
Dane County .....	319	p. 952.)		James City County .....	21
<b>Manchester, N.H.</b> .....	150	<b>Nashville-Davidson, Tenn</b> .....	786	York County <sup>2</sup> .....	34
Hillsborough County (pt.) .....	103	Cheatham County .....	19	<b>Norfolk-Virginia Beach-</b>	
Merrimack County (pt.) .....	16	Davidson County .....	451	<b>Portsmouth, Va.-N.C.</b>	800
Rockingham County (pt.) .....	30	Dickson County .....	28	Chesapeake city, Va. ....	113
(See also Manchester NECMA,		Robertson County .....	93	Norfolk city, Va. ....	280
p. 952.)		Rutherford County .....	77	Portsmouth city, Va. ....	108
<b>Manesfield, Ohio</b> .....	130	Sumner County .....	78	Suffolk city, Va. ....	47
Richland County .....	130	Williamson County .....	51	Virginia Beach city, Va. ....	242
<b>McAllen-Pharr-Edinburg, Tex</b>	236	Wilson County .....	50	Currituck County, N.C. ....	11
Hidalgo County .....	236	<b>Nassau-Suffolk, N.Y</b> .....	2,690	<b>Northeast Pennsylvania</b> .....	629
<b>Melbourne-Titusville-Cocoa,</b>		Nassau County .....	1,393	Lackawanna County .....	232
<b>Fla</b> .....	234	Suffolk County .....	1,297	Luzerne County .....	338
Brevard County .....	234	<b>New Bedford, Mass</b> .....	169	Monroe County .....	59
<b>Memphis, Tenn.-Ark.-Miss</b>	889	Bristol County .....	154	<b>Norwalk, Conn</b> .....	130
Shelby County, Tenn. ....	755	Plymouth County .....	15	Fairfield County (pt.) .....	130
Tipton County, Tenn. ....	32	(See also New Bedford		(See also Bridgeport	
Crittenden County, Ark. ....	50	NECMA, p. 952.)		NECMA, p. 952.)	
De Soto County, Miss. ....	52	<b>New Britain, Conn</b> .....	136	<b>Odessa, Tex</b> .....	106
<b>Meriden, Conn</b> .....	57	Hartford County (pt.) .....	136	Ector County .....	106
New Haven County (pt.) .....	57	(See also Hartford		<b>Ogden, Utah</b>	
(See also New Haven NECMA,		NECMA, p. 952.)		(See Salt Lake City SMSA.)	
<b>Miami, Fla</b> .....	1,451	<b>New Brunswick-Perth</b>		<b>Oklahoma City, Okla</b> .....	789
Dade County .....	1,451	<b>Amboy-Sayreville, N.J.</b> .....	591	Canadian County .....	51
<b>Midland, Tex</b> .....	74	Middlesex County .....	591	Cleveland County .....	111
Midland County .....	74	<b>New Haven-West Haven,</b>		McClain County .....	21
		<b>Conn</b> .....	414	Oklahoma County .....	554
		Middlesex County (pt.) .....	11	Pottawatomie County .....	53
		New Haven County (pt.) .....	403	<b>Omaha, Nebr.-Iowa</b> .....	582
		(See also New Haven		Douglas County, Nebr. ....	410
		NECMA, p. 952.)		Sarpy County, Nebr. ....	85
				Pottawattamie County, Iowa .....	86

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.<sup>2</sup> Poquoson city became independent of York County in 1975.

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Orlando, Fla.</b> .....	610	<b>Poughkeepsie, N.Y.</b> .....	233	<b>Saginaw, Mich.</b> .....	228
Orange County .....	420	Dutchess County .....	233	Saginaw County .....	228
Osceola County .....	39				
Seminole County .....	151	<b>Providence-Warwick-</b>		<b>St. Cloud, Minn.</b> .....	161
<b>Owensboro, Ky.</b> .....	81	<b>Pawtucket, R.I.-Mass.</b> .....	902	Benton County .....	23
Davies County .....	81	Bristol County, R.I. ....	46	Sherburne County .....	31
		Kent County, R.I. (pt.) ..	149	Stearns County .....	107
<b>Oxnard-Simi Valley-Ventura,</b>		Newport County, R.I. (pt.) ..	4		
<b>Calif.</b> .....	485	Providence County, R.I. (pt.) ..	553	<b>St. Joseph, Mo.</b> .....	100
Ventura County .....	485	Washington County, R.I. (pt.) ..	52	Andrew County .....	14
		Bristol County, Mass. (pt.) ..	84	Buchanan County .....	86
<b>Panama City, Fla.</b> .....	92	Norfolk County, Mass. (pt.) ..	5		
Bay County .....	92	Worcester County, Mass. (pt.) ..	8	<b>St. Louis, Mo.-Ill.</b> .....	2,386
		(See also Providence		St. Louis city, Mo. ....	505
<b>Parkersburg-Marietta, W. Va.-</b>		NECMA, p. 952.)		Franklin County, Mo. ....	67
<b>Ohio</b> .....	158			Jefferson County, Mo. ....	129
Wirt County, W. Va. ....	5	<b>Provo-Oregon, Utah</b> .....	185	St. Charles County, Mo. ....	129
Wood County, W. Va. ....	91	Utah County .....	185	St. Louis County, Mo. ....	980
Washington County, Ohio ..	61			Clinton County, Ill. ....	31
		<b>Pueblo, Colo.</b> .....	122	Madison County, Ill. ....	246
<b>Pascagoula-Moss Point, Miss.</b> ..	118	Pueblo County .....	122	Monroe County, Ill. ....	19
Jackson County .....	118			St. Clair County, Ill. ....	280
<b>Paterson-Clifton-Passaic, N.J.</b> ..	445	<b>Racine, Wis.</b> .....	177	<b>Salem, Oreg.</b> .....	226
Passaic County .....	445	Racine County .....	177	Marion County .....	182
				Polk County .....	44
<b>Pensacola, Fla.</b> .....	276	<b>Raleigh-Durham, N.C.</b> .....	494	<b>Salinas-Seaside-Monterey,</b>	
Escambia County .....	226	Durham County .....	146	<b>Calif.</b> .....	276
Santa Rosa County .....	50	Orange County .....	70	Monterey County .....	276
		Wake County .....	279		
<b>Peoria, Ill.</b> .....	361	<b>Rapid City, S. Dak.</b> .....	91	<b>Salt Lake City-Ogden, Utah.</b> .....	843
Peoria County .....	200	Pennington County .....	71	Davis County .....	128
Tazewell County .....	129	Meade County .....	20	Salt Lake County .....	554
Woodford County .....	32			Tooele County .....	24
		<b>Reading, Pa.</b> .....	306	Weber County .....	137
<b>Petersburg-Colonial Heights-</b>		Berks County .....	306	<b>San Angelo, Tex.</b> .....	77
<b>Hopewell, Va.</b> .....	128			Tom Green County .....	77
Colonial Heights city .....	17	<b>Reno, Nev.</b> .....	163		
Hopewell city .....	24	Washoe County .....	163	<b>San Antonio, Tex.</b> .....	1,038
Petersburg city .....	43			Bexar County .....	966
Dinwiddie County .....	21	<b>Richland-Kennewick, Wash.</b> .....	128	Comal County .....	32
Prince George County .....	22	Benton County .....	97	Guadalupe County .....	40
		Franklin County .....	31		
<b>Philadelphia, Pa.-N.J.</b> .....	4,770	<b>Richmond, Va.</b> .....	612	<b>San Diego, Calif.</b> .....	1,744
Bucks County, Pa. ....	472	Richmond city .....	220	San Diego County .....	1,744
Chester County, Pa. ....	302	Charles City County .....	7		
Delaware County, Pa. ....	574	Chesterfield County .....	128	<b>San Francisco-Oakland, Calif.</b> .....	3,184
Montgomery County, Pa. ....	628	Goochland County .....	11	Alameda County .....	1,103
Philadelphia County, Pa. ....	1,760	Hanover County .....	52	Contra Costa County .....	623
Burlington County, N.J. ....	364	Henrico County .....	174	Marin County .....	224
Camden County, N.J. ....	472	New Kent County .....	8	San Francisco County .....	648
Gloucester County, N.J. ....	200	Powhatan County .....	13	San Mateo County .....	588
<b>Phoenix, Ariz.</b> .....	1,293	<b>Riverside-San Bernardino-</b>		<b>San Jose, Calif.</b> .....	1,232
Maricopa County .....	1,293	<b>Ontario, Calif.</b> .....	1,385	Santa Clara County .....	1,232
		Riverside County .....	607		
<b>Pine Bluff, Ark.</b> .....	86	San Bernardino County .....	779	<b>Santa Barbara-Santa Maria-</b>	
Jefferson County .....	86			<b>Lompoc, Calif.</b> .....	292
		<b>Roanoke, Va.</b> .....	211	Santa Barbara County .....	292
<b>Pittsburgh, Pa.</b> .....	2,277	Roanoke city .....	99		
Allegheny County .....	1,477	Salem city .....	23	<b>Santa Cruz, Calif.</b> .....	173
Beaver County .....	208	Botetourt County .....	22	Santa Cruz County .....	173
Washington County .....	212	Craig County .....	4		
Westmoreland County .....	380	Roanoke County .....	63	<b>Santa Rosa, Calif.</b> .....	274
				Sonoma County .....	274
<b>Pittsfield, Mass.</b> .....	91	<b>Rochester, Minn.</b> .....	92	<b>Sarasota, Fla.</b> .....	174
Berkshire County (pt.) .....	91	Olmsted County .....	92	Sarasota County .....	174
(See also Pittsfield		<b>Rochester, N.Y.</b> .....	970	<b>Savannah, Ga.</b> .....	219
NECMA, p. 952.)		Livingston County .....	56	Bryan County .....	8
		Monroe County .....	706	Chatham County .....	192
<b>Portland, Maine</b> .....	177	Ontario County .....	87	Effingham County .....	18
Cumberland County (pt.) .....	159	Orleans County .....	39		
York County (pt.) .....	18	Wayne County .....	82	<b>Scranton, Pa.</b> .....	
				(See Northeast Penn-	
(See also Portland		<b>Rockford, Ill.</b> .....	269	sylvania SMSA.)	
NECMA, p. 952.)		Boone County .....	27		
		Winnebago County .....	242	<b>Seattle-Everett, Wash.</b> .....	1,468
<b>Portland, Oreg.-Wash.</b> .....	1,140			King County .....	1,178
Clackamas County, Oreg. ....	229	<b>Sacramento, Calif.</b> .....	951	Snohomish County .....	290
Multnomah County, Oreg. ....	524	Placer County .....	107		
Washington County, Oreg. ....	216	Sacramento County .....	736		
Clark County, Wash. ....	172	Yolo County .....	108		

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Sherman-Denison, Tex</b> .....	85	<b>Tallahassee, Fla</b> .....	140	<b>Washington, D.C.-Md.-Va</b> .....	3,017
Grayson County .....	85	Leon County .....	131	District of Columbia .....	674
<b>Shreveport, La</b> .....	356	Wakulla County .....	10	Charles County, Md. ....	67
Bossier Parish .....	72	<b>Tampa-St. Petersburg,</b>		Montgomery County,	
Caddo Parish .....	242	<b>Fla</b> .....	1,396	Md .....	576
Webster Parish .....	42	Hillsborough County .....	584	Prince Georges County, Md .....	662
<b>Sioux City, Iowa-Nebr</b> .....	120	Pasco County .....	153	Alexandria city, Va .....	105
Woodbury County,		Pinellas County .....	659	Fairfax city, Va .....	20
Iowa .....	103	<b>Terre Haute, Ind.</b> .....	174	Falls Church city, Va .....	9
Dakota County, Nebr .....	17	Clay County .....	25	Manassas city, Va. <sup>2</sup> .....	13
<b>Sioux Falls, S. Dak.</b> .....	103	Sullivan County .....	20	Manassas Park city, Va. <sup>2</sup> .....	9
Minnehaha County .....	103	Vermillion County .....	17	Arlington County, Va .....	149
<b>South Bend, Ind</b> .....	281	Vigo County .....	112	Fairfax County, Va .....	546
Marshall County .....	39	<b>Texarkana, Tex.,</b>		Loudoun County, Va .....	53
St. Joseph County .....	242	<b>Texarkana, Ark</b> .....	119	Prince William County,	
<b>Spokane, Wash</b> .....	320	Bowie County, Tex .....	74	Va. <sup>2</sup> .....	135
Spokane County .....	320	Little River County, Ark .....	12	<b>Waterbury, Conn</b> .....	227
<b>Springfield, Ill</b> .....	185	Miller County, Ark .....	33	Litchfield County (pt.) .....	32
Menard County .....	11	<b>Toledo, Ohio-Mich</b> .....	776	New Haven County (pt.) .....	195
Sangamon County .....	173	Fulton County, Ohio .....	36	(See also New Haven	
<b>Springfield-Chicopee-</b>		Lucas County, Ohio .....	464	NECMA, p. 952.)	
<b>Holyoke, Mass.-Conn</b> .....	537	Ottawa County, Ohio .....	39	<b>Waterloo-Cedar Falls, Iowa</b> .....	139
Hampshire County,		Wood County, Ohio .....	105	Black Hawk County .....	139
Mass. (pt.) .....	83	Monroe County, Mich .....	132	<b>West Palm Beach-Boca</b>	
Hampden County,		<b>Topeka, Kans.</b> .....	187	<b>Raton, Fla</b> .....	487
Mass. (pt.) .....	443	Jefferson County .....	15	Palm Beach County .....	487
Worcester County,		Osage County .....	15	<b>Wheeling, W. Va.-Ohio</b> .....	181
Mass. (pt.) .....	3	Shawnee County .....	157	Marshall County, W. Va .....	40
Tolland County,		<b>Trenton, N.J</b> .....	317	Ohio County, W. Va .....	59
Conn. (pt.) .....	8	Mercer County .....	317	Belmont County, Ohio .....	82
(See also Springfield		<b>Tucson, Ariz</b> .....	462	<b>Wichita, Kans</b> .....	398
NECMA, p. 952.)		Pima County .....	462	Butler County .....	44
<b>Springfield, Mo</b> .....	205	<b>Tulsa, Okla</b> .....	629	Sedgwick County .....	354
Christian County .....	21	Creek County .....	55	<b>Wichita Falls, Tex</b> .....	129
Greene County .....	184	Mayes County .....	30	Clay County .....	9
<b>Springfield, Ohio</b> .....	183	Osage County .....	35	Wichita County .....	120
Champaign County .....	33	Rogers County .....	38	<b>Wilkes-Barre-Hazleton, Pa.</b>	
Clark County .....	151	Tulsa County .....	441	(See Northeast Penn-	
<b>Stamford, Conn.</b> .....	205	Wagoner County .....	31	sylvania SMSA.)	
Fairfield County (pt.) .....	205	<b>Tuscaloosa, Ala</b> .....	126	<b>Williamsport, Pa</b> .....	113
(See also Bridgeport		Tuscaloosa County .....	126	Lycorning County .....	113
NECMA, p. 952.)		<b>Tyler, Tex</b> .....	114	<b>Wilmington, Del.-N.J.-Md.</b>	
<b>Steubenville-Weirton,</b>		Smith County .....	114	New Castle County, Del .....	516
<b>Ohio-W. Va</b> .....	162	<b>Utica-Rome, N.Y</b> .....	326	Salem County, N.J .....	397
Jefferson County, Ohio .....	93	Herkimer County .....	65	Cecil County, Md .....	62
Brooke County, W. Va .....	30	Oneida County .....	260	<b>Wilmington, N.C</b> .....	130
Hancock County, W. Va .....	39	<b>Vallejo-Fairfield-Napa,</b>		Brunswick County .....	33
<b>Stockton, Calif</b> .....	313	<b>Calif</b> .....	301	New Hanover County .....	98
San Joaquin County .....	313	Napa County .....	93	<b>Worcester, Mass</b> .....	376
<b>Syracuse, N.Y</b> .....	650	Solano County .....	208	Worcester County (pt.) .....	376
Madison County .....	66	<b>Vineland-Millville-</b>		(See also Worcester	
Onondaga County .....	474	<b>Bridgeport, N.J</b> .....	130	NECMA, p. 952.)	
Oswego County .....	110	Cumberland County .....	130	<b>Yakima, Wash</b> .....	159
<b>Tacoma, Wash</b> .....	437	<b>Waco, Tex</b> .....	161	Yakima County .....	159
Pierce County .....	437	McLennan County .....	161	<b>York, Pa</b> .....	356
				Adams County .....	63
				York County .....	292
				<b>Youngstown-Warren, Ohio</b> .....	546
				Mahoning County .....	300
				Trumbull County .....	246

<sup>1</sup> Estimates. Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.<sup>2</sup> Manassas and Manassas Park cities became independent of Prince William County in 1975.

NEW ENGLAND COUNTY METROPOLITAN AREAS  
(NECMA's)

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Boston-Lowell-Brockton- Lawrence-Haverhill, Mass.- N.H.</b> .....	<b>3,888</b>	<b>Lewiston-Auburn, Maine</b> .....	<b>96</b>	<b>Portland, Maine</b> .....	<b>234</b>
Essex County, Mass.....	626	Androscoggin County .....	96	Cumberland County .....	207
Middlesex County, Mass.....	1,381	<b>Manchester-Nashua, N.H.</b> .....	<b>260</b>	Sagadahoc County .....	27
Norfolk County, Mass.....	620	Hillsborough County .....	260	<b>Providence-Warwick- Pawtucket, R.I.</b> .....	<b>853</b>
Plymouth County, Mass.....	396	<b>New Bedford-Fall River, Mass.</b> ..	<b>472</b>	Bristol County .....	46
Suffolk County, Mass.....	685	Bristol County .....	472	Kent County .....	151
Rockingham, N.H.....	180	<b>New Haven-West Haven- Waterbury-Meriden, Conn.</b> ..	<b>755</b>	Providence County .....	567
<b>Bridgeport-Stamford-Norwalk- Danbury, Conn.</b> .....	<b>808</b>	New Haven County .....	755	Washington County .....	90
Fairfield County .....	808	<b>New London-Norwich, Conn.</b> .....	<b>245</b>	<b>Springfield-Chicopee-Holyoke, Mass.</b> .....	<b>587</b>
<b>Hartford-New Britain-Bristol, Conn.</b> .....	<b>1,045</b>	New London County .....	245	Hampden County .....	455
Hartford County .....	808	<b>Pittsfield, Mass.</b> .....	<b>144</b>	Hampshire County .....	133
Middlesex County .....	124	Berkshire County .....	144	<b>Worcester-Fitchburg- Leominster, Mass.</b> .....	<b>645</b>
Tolland County .....	113			Worcester County .....	645

<sup>1</sup> Estimates.  
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.

STANDARD CONSOLIDATED STATISTICAL AREAS (SCSA's)

	1978 Popula- tion <sup>1</sup> (1,000)		1978 Popula- tion <sup>1</sup> (1,000)
<b>Boston-Lawrence-Lowell, Mass.-N.H.</b> .....	<b>3,500</b>	<b>Miami-Fort Lauderdale, Fla.</b> .....	<b>2,333</b>
Boston, Mass.....	2,835	Miami, Fla.....	1,451
Lawrence-Haverhill, Mass.-N.H.....	272	Fort Lauderdale-Hollywood, Fla.....	882
Lowell, Mass.-N.H.....	229	<b>Milwaukee-Racine, Wis.</b> .....	<b>1,594</b>
Brockton, Mass.....	164	Milwaukee, Wis.....	1,417
<b>Chicago-Gary, Ill.-Ind.</b> .....	<b>7,678</b>	Racine, Wis.....	177
Chicago, Ill.....	7,030	<b>New York-Newark-Jersey City, N.Y.-N.J.-Conn.</b> .....	<b>16,285</b>
Gary-Hammond-East Chicago, Ind.....	648	New York, N.Y.-N.J.....	9,222
<b>Cincinnati-Hamilton, Ohio-Ky.-Ind.</b> .....	<b>1,646</b>	Nassau-Suffolk, N.Y.....	2,690
Cincinnati, Ohio-Ky.-Ind.....	1,389	Newark, N.J.....	1,951
Hamilton-Middletown Ohio .....	256	Jersey City, N.J.....	554
<b>Cleveland-Akron-Lorain, Ohio</b> .....	<b>2,867</b>	New Brunswick-Perth Amboy-Sayreville, N.J.....	591
Cleveland, Ohio.....	1,939	Paterson-Clifton-Passaic, N.J.....	445
Akron, Ohio.....	657	Long Branch-Asbury Park, N.J.....	500
Lorain-Elyria, Ohio.....	271	Stamford, Conn.....	205
<b>Detroit-Ann Arbor, Mich.</b> .....	<b>4,641</b>	Norwalk, Conn.....	130
Detroit, Mich.....	4,386	<b>Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md.</b> .....	<b>5,603</b>
Ann Arbor, Mich.....	255	Philadelphia, Pa.-N.J.....	4,770
<b>Houston-Galveston, Tex.</b> .....	<b>2,793</b>	Wilmington, Del.-N.J.-Md.....	516
Houston, Tex.....	2,595	Trenton, N.J.....	317
Galveston-Texas City, Tex.....	198	<b>San Francisco-Oakland-San Jose, Calif.</b> .....	<b>4,717</b>
<b>Los Angeles-Long Beach-Anaheim, Calif.</b> .....	<b>10,784</b>	San Francisco-Oakland, Calif.....	3,184
Los Angeles-Long Beach, Calif.....	7,081	San Jose, Calif.....	1,232
Anaheim-Santa Ana-Garden Grove, Calif.....	1,833	Vallejo-Fairfield-Napa, Calif.....	301
Riverside-San Bernardino-Ontario, Calif.....	1,385	<b>Seattle-Tacoma, Wash.</b> .....	<b>1,905</b>
Oxnard-Simi Valley-Ventura, Calif.....	485	Seattle-Everett, Wash.....	1,468
		Tacoma, Wash.....	437

<sup>1</sup> Estimates.  
Source: U.S. Bureau of the Census, *Current Population Reports*, series P-25, No. 873, and unpublished data.

## APPENDIX III

### Statistical Methodology and Reliability

**Introduction.**—The data presented in this *Statistical Abstract* came from many sources. The sources include not only Federal statistical bureaus and other organizations that collect and issue statistics as their principal activity, but also governmental administrative and regulatory agencies, private research bodies, trade associations, insurance companies, health associations, and private organizations such as the American Red Cross and philanthropic foundations. Consequently, the data vary considerably as to reference periods, definitions of terms and, for ongoing series, the number and frequency of time periods for which data are available.

The statistics presented were obtained and tabulated by various means. Some statistics are based on complete enumerations or censuses while others are based on samples. Some information is extracted from records kept for administrative or regulatory purposes (school enrollment, hospital records, securities registration, financial accounts, social security records, income tax returns, etc.), while other information is obtained explicitly for statistical purposes through interviews or by mail. The estimation procedures used vary from highly sophisticated scientific techniques, to crude "informed guesses".

Each set of data relates to a group of individuals or units of interest referred to as the *target universe* or *target population*, or simply as the *universe* or *population*. Prior to data collection the target universe should be clearly defined. For example, if data are to be collected for the universe of households in the United States, it is necessary to define a "household". The target universe may not be completely tractable. Cost and other considerations may restrict data collection to a *survey universe* of households on some available list, such list being inaccurate, out of date, defining "household" slightly differently, etc. This list is called a *survey frame* or *sampling frame*.

The data in these tables are based on data obtained for all population units, a *census*, or on data obtained for only a portion, or *sample*, of the population units.

When the data presented are based on a sample, the sample is usually a scientifically selected *probability sample*. This is a sample selected from a list or sampling frame in such a way that every possible sample has a known chance of selection, and usually each unit selected can be assigned a number, between zero and one, representing its likelihood or probability of selection.

For large-scale sample surveys, the probability sample of units is often selected as a multistage sample. The first stage of a multistage sample is the selection of a probability sample of large groups of population members, referred to as primary sampling units (PSU's). For example, in a national multistage household sample, PSU's are often counties or groups of counties. The second stage of a multistage sample is the selection, within each PSU selected at the first stage, of smaller groups of population units, referred to as secondary sampling units. In subsequent stages of selection, smaller and smaller nested groups are chosen until the ultimate sample of population units is obtained. To qualify a multistage sample as a probability sample, all stages of sampling must be carried out using probability sampling methods.

Prior to selection at each stage of a multistage (or a single-stage) sample, a list of the sampling units or sampling frame for that stage must be obtained. For example, for the first stage of selection of a national household sample, a list of the counties and county groups that form the PSU's must be obtained. For the final stage of selection, lists of households, and sometimes persons within the households, have to be compiled in the field. If a single-stage sample of the Nation's hospitals is to be selected, a list of hospitals must be obtained to use as the sampling frame. Unfortunately, it is virtually impossible to obtain a complete, up-to-date frame for a hospital survey. This is a problem incurred for most surveys of institutions and for many other types of surveys as well.

Wherever the quantities in a table refer to an entire universe, but are constructed from data collected in a sample survey, the table quantities are referred to as *sample estimates*. In constructing a sample estimate, an attempt is made to come as close as is feasible to the corresponding universe quantity that would be obtained from a complete census of the universe. Estimates based on a sample will, however, generally differ from the hypothetical census figures. Two classifications of errors are associated with estimates based on sample surveys: (1) *sampling error*—the error arising from the use of a sample, rather than a census, to estimate population quantities and (2) *nonsampling error*—those errors arising from nonsampling sources. As discussed below, the magnitude of the sampling error for an estimate can usually be estimated from the sample data. However, the magnitude of the nonsampling error for an estimate can rarely be estimated. Consequently, actual error in an estimate exceeds the estimated error in the estimate.

The particular sample used in a survey is only one of a large number of possible samples of the same size which could have been selected using the same sampling procedure. Estimates derived from the different samples would, in general, differ from each other. The *standard error* (SE) is a measure of the variation among the estimates derived from all possible samples. The standard error is the most commonly used measure of the sampling error of an estimate. Valid estimates of the standard errors of survey estimates can usually be calculated from the data collected in a probability sample. For convenience, the standard error is sometimes expressed as a percent of the estimate and is called the relative standard error or *coefficient of variation* (CV). For example, an estimate of 200 units with an estimated standard error of 10 units has an estimated CV of 5 percent.

A sample estimate and an estimate of its standard error or CV can be used to construct interval estimates that have a prescribed confidence that the interval includes the average of the estimates derived from all possible samples. To illustrate, if all possible samples were selected under essentially the same conditions, and an estimate and its estimated standard error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average estimate derived from all possible samples.
2. Approximately 90 percent of the intervals from 1.65 standard errors below the estimate to 1.65 standard errors above the estimate would include the average estimate derived from all possible samples.
3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average estimate derived from all possible samples.

Thus, for a particular sample, one can say with the appropriate level of confidence (e.g., 90% or 95%) that the average of all possible samples is included in the constructed interval. Example of a confidence interval: An estimate is 200 units with a standard error of 10 units. An approximate 90 percent confidence interval (plus or minus 1.65 standard errors) is from 183.5 to 216.5.

All surveys and censuses are subject to nonsampling errors. Nonsampling errors are two kinds—*random* and *nonrandom*. Random nonsampling errors arise because of the varying interpretation of questions (by respondents or interviewers) and varying actions of coders, keyers, and other processors. Some randomness is also introduced when respondents must estimate values. These same errors usually have a nonrandom component. Nonrandom nonsampling errors result from total nonresponse (no usable data obtained for a sampled unit), partial or item nonresponse (only a portion of a response may be usable), inability or unwillingness on the part of respondents to provide correct information, difficulty interpreting questions, mistakes in recording or keying data, errors of collection or processing, and coverage problems (overcoverage and undercoverage of the target universe). Random nonresponse errors usually, but not always, result in an understatement of sampling errors and thus an overstatement of the precision of survey estimates. Estimating the magnitude of nonsampling errors would require special experiments or access to independent data and, consequently, the magnitudes are seldom available.

Nearly all types of nonsampling errors that affect surveys also occur in complete censuses. Since surveys can be conducted on a smaller scale than censuses, nonsampling errors can presumably be controlled more tightly. Relatively more funds and effort can perhaps be expended toward eliciting responses, detecting and correcting response error, and reducing processing errors. As a result, survey results can sometimes be more accurate than census results.

To compensate for suspected nonrandom errors, adjustments of the sample estimates are often made. For example, adjustments are frequently made for nonresponse, both total and partial. Adjustments made for either type of nonresponse are often referred to as *imputations*. Imputation for total nonresponse is usually made essentially by substituting for the questionnaire responses of the nonrespondents the "average" questionnaire responses of the respondents. These imputations are usually made separately within various groups of sample members, formed by attempting to place respondents and nonrespondents together that have "similar" survey characteristics. Imputation for item nonresponse is usually made by substituting for a missing item the response to that item of a respondent having characteristics that are "similar" to those of the nonrespondent.

For an estimate calculated from a sample survey, the *total error* in the estimate is composed of the sampling error, which can usually be estimated from the sample, and the nonsampling error, which usually cannot be estimated from the sample. The total error present in a population quantity obtained from a complete census is composed of only nonsampling errors. Ideally, estimates of the total error associated with data given in the *Statistical Abstract* tables should be given. However, due to the unavailability of estimates of nonsampling errors, only estimates of the levels of sampling errors, in terms of estimated standard errors or coefficients of variation, are available.

**Principal data bases**—Beginning on page 956 are brief descriptions of 43 of the sample surveys and censuses that provide a substantial portion of the data contained in this *Abstract*.



SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p><b>SECTION 1. POPULATION</b></p> <p><b>U.S. Bureau of the Census</b></p> <p><i>Census of Population</i></p> <p>See tables citing <i>Census of Population</i> in section 1 and also in sections 2, 5, 7, 13, 14, 16, 22, 26, and 32.</p> <p><i>Current Population Survey (CPS)</i></p> <p>See tables citing <i>Current Population Reports</i> primarily in section 1, but also in sections 2, 4, 5, 11, 13, 14, 16, 24, and 32. Many Bureau of Labor Statistics* (BLS) tables in section 18 are CPS based.</p> <p><i>Survey of Income and Education</i></p> <p>See tables 36, 37, and 50, and, in section 4, table 163; in section 5, table 242; in section 11, table 557; and in section 14, tables 753, and 777.</p>	<p>Complete count of U.S. population conducted every 10 years since 1790. Data obtained on number and characteristics of inhabitants.</p> <p>Monthly survey of civilian non-institutional population, 14 years old or over, to obtain data on employment, unemployment, and a number of other characteristics.</p> <p>Single-time survey of the civilian noninstitutional population and members of Armed Forces living off post or with families on post, conducted in spring 1976, to obtain information on demographic and labor force characteristics, educational attainment and school enrollment, migration, income, ethnicity, disability, English speaking ability, health insurance coverage, and food stamp recipients.</p>	<p>In 1970, complete census for some items—age, sex, race, marital status and relationship to household head. Other items collected from a 5% and a 15% probability (systematic) sample of the population.</p> <p>Multistage probability sample of about 85,000 households in 630 PSU's. Oversampling in some States and the largest SMSA's to improve reliability for those areas of employment data on annual avg. basis. A continual sample rotation system is used. Households are in sample 4 months, out for 8 months, and in for 4 more. Month-to-month overlap is 75%; year-to-year overlap is 50%.</p> <p>Multistage probability sample of about 158,500 interviewed households. PSU's were grouped, initially, to form strata within each State according to the proportion of persons who were children 5-17 yr. old living in poverty at the time of the 1970 census, and a sample of PSU's was taken. Second, from the sample PSU's the surveyed households were selected stratified by income level and number of children per household. The sample from each State was a representative State sample.</p>
<p><b>SECTION 2. VITAL STATISTICS</b></p> <p><b>U.S. National Center for Health Statistics</b></p> <p><i>Vital Registration System</i></p> <p>See tables 85-92, 95, and 110-121.</p>	<p>Annual data on births and deaths in the United States.</p>	<p>Mortality data based on complete file of death records, except 1972, based on 50% sample. Natality statistics for most years, 1951-1971, based on 50% sample of birth records received by NCHS. Beginning 1972, data from some States received through Cooperative Health Statistics System and complete file used; data from other States based on 50% sample.</p>
(See section 1 above for information pertaining to tables 93, 94, 96-98, 105, and 123-127.)		
<p><b>SECTION 4. HEALTH AND NUTRITION</b></p> <p><b>U.S. National Center for Health Statistics</b></p> <p><i>Health Interview Survey (HIS)</i></p> <p>See tables 170, 171, 192, 194-197, 201, 202, 204, 209 and 210 and, in section 5, table 245.</p> <p><i>Master Facility Inventory (MFI)</i></p> <p>See tables 176, 186, and 188.</p>	<p>Continuous data collection covering the civilian noninstitutional population to obtain information on personal and demographic characteristics, illnesses, injuries, impairments, chronic conditions, and other health topics.</p> <p>Annual survey of hospitals with 6 or more beds and biennial surveys of nursing and related care homes with 3 or more beds and other custodial or remedial care facilities to update file. Information obtained on names, locations, and types of facilities, and number of beds and residents or patients.</p>	<p>Multistage probability sample of 41,000 households (in 376 PSU's) selected in groups of about four geographically adjacent households.</p> <p>Complete census of eligible institutions. Comprehensive file periodically updated to include names and addresses of newly established inpatient facilities from State licensing agencies.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>In 1970, extensive use of mail questionnaires in urban areas; personal interviews in most rural areas. Extensive telephone and personal followup for nonrespondents. Imputations made for missing characteristics.</p> <p>For first and fifth months that a household is in sample, personal interviews; other months, data collected by phone.</p> <p>Personal interviews. Adjustments were made in the estimation procedure to account for nonresponse. Imputation for income nonresponse.</p>	<p>The CV's for national and State estimates are generally very small. For example, the estimated CV for the estimated number of persons in poverty is less than 1% at the State and national level.</p> <p>Estimated CV for labor force, total employment, and non-agricultural employment, .3%; for total unemployment and agricultural employment, 1.5 to 3.0%.</p> <p>Estimated CV's: For median family income, all races, .3%; White, .3%; Black, 1.2%; and Spanish origin, 1.7%. For persons below poverty level, all races, 1.1%; White, 1.4%; Black, 2.2%; and Spanish origin, 3.7%.</p>	<p>Based on the 1970 census evaluation, an estimate of the net undercount is 2.5%.</p> <p>Unemployment underestimated by about 7-10%. Other statistics less biased. Four to 5.5% of sample households unavailable for interviews.</p> <p>Nonresponse rate of about 4.6%. Item nonresponse rate for income questions was about 14%. Reinterview study, conducted to evaluate the accuracy of the measurement of poverty, found no statistically significant error in poverty counts.</p>	<p>Bureau of the Census, <i>Estimates of Coverage of the Population by Sex, Race, and Age: Demographic analysis, PHC(E)-4</i>; and <i>Census of Population: 1970 PC(1)-C</i>, Appendix C.</p> <p>Bureau of the Census and Bureau of Labor Statistics, <i>Concepts and Methods Used in Labor Force Statistics from Current Population Survey</i> (Census series P-23, No. 62; BLS report No. 463) and Bureau of the Census, <i>Current Population Survey</i> (Tech. Paper 40).</p> <p>U.S. Bureau of the Census, <i>Current Population Reports</i>, series P-20, No. 334; series P-60, Nos. 110-113; and <i>The Survey of Income and Education: A Report to Congress as Mandated by the Educational Amendments of 1974</i>.</p>
<p>Reports based on records from registration offices of all States, District of Columbia, Puerto Rico, Virgin Islands, Guam, and certain cities.</p>	<p>For births, CV's are small due to large portion of total file in sample (except for very small estimated totals).</p>	<p>In 1964-1968, underregistration of births estimate to be .7%. Data on deaths believed to be as complete.</p>	<p>U.S. National Center for Health Statistics, <i>Vital Statistics of the United States, 1978</i>, vol. I and vol. II, part A and part B, forthcoming.</p>
<p>Personal household interviews. Extensive followup of nonrespondents. Data adjusted for nonresponse by imputation procedure based on "average" characteristics of persons in interviewed households in same geographic area.</p> <p>Mail questionnaires to facilities. Missing questionnaire items imputed by using either previously reported information or by using current data from similar responding facilities.</p>	<p>Estimated CV's: For physician visits by males, 1.5%; for workdays lost by males, 3.5%; for persons injured at home, 4.7%.</p> <p>Not applicable.</p>	<p>Response rate was 96% in 1978.</p> <p>The response rate in the 1978 survey of hospitals was about 90%. In 1976, coverage was 95% complete for nursing care and related homes and other custodial or remedial care facilities.</p>	<p>U.S. National Center for Health Statistics, <i>Vital Statistics of the United States</i>, series 10—No. 130, DHEW No. (PHS) 80-1551, Nov. 1979.</p> <p>U.S. National Center for Health Statistics, "Design and Methodology of the 1976 Master Facility Inventory Survey," <i>Vital and Health Statistics</i>, PHS Pub. No. 1000, series 1—No. 9, Jan. 1971.</p>

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 4. HEALTH AND NUTRITION—CON.</p> <p><b>U.S. Health Care Financing Administration</b>  <i>Survey of Independent Prepaid and Self-Insured Health Plans</i></p> <p>See tables 161 and 162 and, in section 17, table 921.</p>	<p>Annual survey of prepaid and self-insured health plans not underwritten by insurance companies or Blue Cross or Blue Shield plans to obtain operating characteristics, subscription income, enrollments and benefit expenditures by type of care, and other financial data.</p>	<p>Complete census every 4 to 5 years; in other years, certainty sample of 38 large plans, 29 dental care plans, 15 vision care plans and random sample of remaining plans.</p>
(See section 1 for information pertaining to tables 163 and 165 and section 15 pertaining to table 159.)		
<p>SECTION 5. EDUCATION</p> <p><b>U.S. National Center For Education Statistics (NCES)</b>  <i>Revenues and Expenditures for Public Elementary and Secondary Schools</i></p> <p>See tables 221, 222, 261-263, 265, and in section 32, table 1556.</p> <p><i>Statistics of Public Elementary and Secondary Schools</i></p> <p>See tables in section 5 which present data from NCES pertaining to State public school systems.</p> <p><i>Higher Education General Information Survey (HEGIS)</i>  <b>A. Institutional Characteristics of Colleges and Universities</b></p> <p>See tables 218-220, 273, 275, 277, 285, 288, and 289.</p> <p><b>B. Fall Enrollment in Institutions of Higher Education</b></p> <p>See tables 220, 228, 273, 275, 277, and 279.</p> <p><b>C. Financial Statistics of Institutions of Higher Education</b></p> <p>See tables 288, 289, and 291.</p> <p><b>D. Degrees and Other Formal Awards Conferred</b></p> <p>See tables 271, 292, 293, and 295.</p>	<p>Annual survey of State education agencies to obtain data on revenues and expenditures for public elementary and secondary education. Includes the 50 States, District of Columbia, and the outlying areas.</p> <p>Annual survey of State education agencies to obtain data on pupils enrolled, staff employed, number of schools, and estimates of revenues and expenditures for the school year in progress. Includes the 50 States, District of Columbia, and the outlying areas.</p> <p>Annual survey of all institutions and branches listed in the Education Directory, Colleges and Universities to obtain data on characteristics of institutions including control (public or private), type (university, other four-year, and two-year) and student charges.</p> <p>Annual survey of all institutions and branches listed in the Education Directory, Colleges and Universities to obtain data on total enrollment by sex, level of enrollment, type of program, racial/ethnic characteristics (in alternate years) and attendance status of student, and on first-time students.</p> <p>Annual survey of all institutions and branches listed in the Education Directory, Colleges and Universities to obtain data on financial status and operations, including current funds revenues, current funds expenditures, and physical plant assets.</p> <p>Annual survey of all institutions and branches listed in the Education Directory, Colleges and Universities to obtain data on earned degrees and other formal awards conferred by field of study, level of degree, sex, and by racial/ethnic characteristics in alternate years.</p>	<p>Complete census, however, data are extracted by State education agencies from fiscal reports submitted by local education agencies.</p> <p>Complete census, however, data are extracted by State education agencies from fall reports submitted by local education agencies.</p> <p>Complete census.</p> <p>Complete census.</p> <p>Complete census.</p> <p>Complete census.</p>

(See section 1 above for information pertaining to the Bureau of the Census; and section 2 above for National Center for Health Statistics data.)

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Mail questionnaire with telephone followup.	Not applicable.	Item nonresponse rate was about 25% for enrollment data and 30% for financial data in 1972 census. In 1972, 383 plans out of 465 provided usable responses.	U.S. Health Care Financing Administration, <i>HCFA Health Notes</i> , "Independent Health Insurance Plans," annual.
Mail survey with followup for nonresponse through direct contact or other records.	Not applicable.	Some distortion in expenditures by function due to variations in State accounting systems.	U.S. National Center for Education Statistics, <i>Revenues and Expenditures for Public Elementary and Secondary Education</i> , annual.
Mail survey. Imputations for missing data included in national totals; imputations are derived based on data reported over previous 5 years.	Not applicable.	Deviations from State to State or year to year arise from differences in definitions, and instructions used by State education agencies.	U.S. National Center for Education Statistics, <i>Statistics of Public Elementary and Secondary Day Schools</i> , annual.
Survey package usually mailed in the spring with surveys due at varying dates in the summer and fall; mail and phone follow-up procedures for non-respondents. Missing data imputed by using data for an earlier year, adjusted for trends observed in earlier HEGIS surveys, or data of similar institutions.	Not applicable.	One hundred percent response rate.	U.S. National Center for Education Statistics, <i>Education Directory, Colleges and Universities</i> , annual.
See above.	Not applicable.	One hundred percent response rate based upon institutional recordkeeping.	U.S. National Center for Education Statistics, <i>Fall Enrollment in Higher Education</i> , annual.
See above.	Not applicable.	For 1978, a 92.5% response rate. Imputed expenditures amounted to about 3% of total expenditures.	U.S. National Center for Education Statistics, <i>Financial Statistics of Institutions of Higher Education</i> , annual.
See above.	Not applicable.	One hundred percent response rate based upon institutional recordkeeping.	U.S. National Center for Education Statistics, <i>Earned Degrees Conferred</i> , annual.

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<b>SECTION 6. LAW ENFORCEMENT, FEDERAL COURTS, AND PRISONS</b>		
<b>U.S. Federal Bureau of Investigation</b> <i>Uniform Crime Reporting (UCR) Program</i> See tables 302-306, 314, 315, and 317-323.	Monthly reports on the number of criminal offenses that becomes known to law enforcement agencies. Data collected on crimes cleared by arrest, by age, sex, and race of offender, and on assaults on law enforcement officers.	Crime statistics based on reports of crime data submitted either directly to the FBI by contributing law enforcement agencies or through cooperating State UCR programs.
<b>U.S. Law Enforcement Assistance Administration (LEAA)</b> <i>National Crime Survey</i>  See tables 307-309.	Monthly survey of individuals, households in the U.S. to obtain data on criminal victimization of those units for compilation of annual estimates.	National probability sample survey of about 72,000 households in 375 PSU's selected from a list of addresses from the 1970 census, supplemented by new construction permits.
(See section 2 above for details pertaining to tables 310, 312, and 313; section 10 for details on tables 324 and 326; and section 30 for table 326.)		
<b>SECTION 8. PUBLIC LANDS, PARKS, RECREATION, AND TRAVEL</b>		
<b>U.S. Bureau of the Census</b> <i>Census of Transportation National Travel Survey</i>  See tables 423-425.	Survey conducted every 5 years to obtain information on number and characteristics of long-distance trips (100 miles or more).	Probability sample of about 25,000 households in which residents were asked about trips they had taken.
<b>SECTION 9. FEDERAL GOVERNMENT</b>		
<b>U.S. Internal Revenue Service</b> <i>Statistics of Income Individual Income Tax Returns</i>  See tables 448-453 and 456-458.	Annual study of unaudited individual income tax returns, Forms 1040 and 1040A, filed by U.S. citizens and residents. Data provided on various financial characteristics by size of adjusted gross income, marital status, State of residence, and by taxable and nontaxable returns.	Stratified systematic sample of 155,299 returns in 1977, broken into sample classes based on State groupings and on combinations of adjusted gross income or deficit, or the largest of specific income or loss items, and business and farm receipts. Sampling rates for sample strata varied from .2% to 100%.
<i>Corporation Income tax Returns</i>  See tables 461 and 462 and in section 18, tables 926, 927, 929, 930, and 947-950.	Annual study of unaudited corporation income tax returns, Forms 1120 and 1120 (L, M, S, F, or DISC), filed by corporations or businesses legally defined as corporations. Data provided on various financial characteristics by industry and size of total assets, business receipts, taxable income, and income tax.	Stratified probability sample of 102,017 returns in 1975, broken into sample classes based on type of return, size of total assets, and size of net income or deficit (except Form 1120 DISC); for Form 1120-DISC, size of total sales receipts and size of total assets of majority corporate stockholders. Sampling rates for sample strata varied from .8% to 100%.
<b>SECTION 10. STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT</b>		
<b>U.S. Bureau of the Census</b> <i>Census of Governments</i>  See tables in section 10 citing <i>Census of Governments</i> ; in section 11, table 552; and in section 16, table 845.	Survey of all governmental units in the U.S. conducted every 5 years to obtain data on government revenue, expenditures, debt, employment and employee-retirement systems, property values, public school systems, and number, size, and structure of governments.	Complete census. List of units derived through classification of government units recently authorized in each State and identification, counting, and classification of existing local governments and public school systems.

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>States with UCR programs collect data directly from individual law enforcement agencies and forward reports, prepared in accordance with UCR standards, to FBI. Accuracy and consistency edits performed by FBI.</p> <p>Personal interviews conducted every 6 months for 3 years for each household in sample; 12,000 households enumerated monthly.</p>	<p>Not applicable.</p> <p>CV in 1976: 4% for estimate of personal robbery counts; 1.6% for household burglary count.</p>	<p>Coverage of 98% of the population (99% in SMSA's, 94% in rural areas) by UCR Program, though varying number of agencies report. Some error present through incorrect reporting.</p> <p>For establishments, nonresponse rate about 1%. For household survey, 4% of eligible households were not interviewed and 2% of persons within responding households did not participate.</p>	<p>U.S. Federal Bureau of Investigation, <i>Crime in the United States</i>.</p> <p>U.S. Law Enforcement Assistance Administration, <i>Criminal Victimization in the United States, Survey Findings of 1978-79—Changes in Crime and of Trends Since 1973</i>, Report No. SD-NCS-N-18, Sept. 1980.</p>
<p>Quarterly personal interviews in census year with telephone followups for items missed.</p>	<p>S.E. for estimate of total household trips (312,532,000) in 1977 is approximately 7,178,000</p>	<p>Areas of possible nonsampling errors include memory loss on the part of the respondents in reporting trips and in the methods used to estimate trip mileage. Problems in the representation of new construction and mobile homes, and in undercoverage of persons in households also create nonsampling errors. The nonresponse rate was about 10%.</p>	<p>U.S. Bureau of the Census, <i>Census of Transportation, 1977, National Travel Survey Report No. TC77-N-2</i>.</p>
<p>Computer selection of sample of tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.</p> <p>See above.</p>	<p>Estimated CV's: For number of returns in subgroups, ranged from .7% for returns under \$5,000 to 0% for returns over \$500,000 and from 1.4% for California returns to 4.6% for North Dakota; for adjusted gross income less deficit, .1%; and amount of income tax, .2%.</p> <p>Estimated CV's: For number of returns in subgroups, ranged from 1.1% with assets under \$100,000 to 100% with assets over \$10 mil.; for amount of net income, .1%; and amount of income tax, .1%.</p>	<p>Processing errors and errors arising from the use of tolerance checks for the data.</p> <p>See above.</p>	<p>U.S. Internal Revenue Service, <i>Statistics of Income, Individual Income Tax Returns</i>.</p> <p>U.S. Internal Revenue Service, <i>Statistics of Income, Corporation Income Tax Returns</i>.</p>
<p>Field compilation of financial data from official records and reports for States and large local governments; mail canvass of other units, with mail and telephone followups.</p>	<p>Not applicable.</p>	<p>Some response errors may arise due to respondents' interpretation of definitions and instructions.</p>	<p>U.S. Bureau of the Census, <i>Census of Governments, 1977</i>, various reports.</p>

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 10. STATE AND LOCAL GOVERNMENT FINANCES AND EMPLOYMENT—Con.</p> <p><b>U.S. Bureau of the Census</b>  <i>Annual Surveys of State and Local Government.</i></p> <p>See tables citing <i>Public Employment</i> and <i>Governmental Finances</i>.</p>	<p>Sample survey conducted annually to obtain data on revenue, expenditure, debt, and employment of State and local governments. Universe is all governmental units in the U.S. (about 80,000).</p>	<p>Sample of about 16,000 units includes all State governments, county governments with 50,000+ population, municipalities with 25,000+ population, and other governments meeting certain financial criteria; probability sample for remaining units.</p>
<p>SECTION 11. SOCIAL INSURANCE AND WELFARE SERVICES</p> <p><b>U.S. Social Security Administration</b>  <i>Benefit Data</i></p> <p>See tables 547-549 and 583.</p> <p><i>Supplemental Security Income Program (SSI)</i></p> <p>See tables 570-572, 575, and 576.</p>	<p>All persons receiving monthly benefits under Title II of Social Security Act. Data on number and amount of benefits paid by type and State.</p> <p>All eligible aged, blind, or disabled persons receiving SSI benefit payments under SSI program. Data include number of persons receiving federally administered SSI, amounts paid, and State administered supplementation.</p>	<p>Data based on administrative records.</p> <p>Data based on administrative records.</p>
(See section 1 above for information pertaining to the Current Population Survey; and section 10 for information pertaining to Census of Governments.)		
<p>SECTION 13. LABOR FORCE, EMPLOYMENT, AND EARNINGS</p> <p><b>U.S. Bureau of Labor Statistics (BLS)</b>  <i>Current Employment Statistics Program (CES)</i></p> <p>See tables 674, 680, 681, 689-692, 699, 700, and 703; and, in section 22, table 1097.</p>	<p>Monthly survey covering about 4 million nonagricultural establishments to obtain data on employment, hours, and earnings, by industry.</p>	<p>Probability sample survey of about 165,000 establishments.</p>
(See section 1 above for information pertaining to the Current Population Survey.)		
<p>SECTION 14. INCOME, EXPENDITURES, AND WEALTH</p> <p>See section 1 above for information pertaining to the Current Population Survey and Survey of Income and Education.</p>		
<p>SECTION 15. PRICES</p> <p><b>U.S. Bureau of Labor Statistics (BLS)</b>  <i>Consumer Price Index (CPI)</i></p> <p>See tables 792, 974, 806-811, 816 and 819 and, in section 4, table 159.</p>	<p>Monthly survey of price changes of all types of consumer goods and services purchased by urban wage earners and clerical workers prior to 1978, and urban consumers thereafter.</p>	<p>Prior to 1978, sample of various consumer items in 56 urban areas; thereafter, in 85 PSU's.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Field compilation of financial data from official records and reports for States and large local governments; mail canvass of other units with mail and telephone followups of nonrespondents. Data for nonresponses imputed from previous year data.	CV for estimates of major employment and financial items are generally less than 2% for most States and less than 1% for the majority of States.	Nonresponse rate about 15% for number of units (about 5% for value items). Other possible errors may result from undetected inaccuracies in classification, response, and processing.	U.S. Bureau of the Census, <i>Public Employment in 1978</i> , GE 78, No. 1, and <i>Governmental Finances in 1977-78</i> , GE 78, No. 5.
Records used consist of actions pursuant to applications for benefits, updated by subsequent post-entitlement actions.	Not applicable.	Processing errors, which are believed to be small.	U.S. Social Security Administration, <i>Annual Statistical Supplement to the Social Security Bulletin</i> .
Data adjusted to reflect returned checks and overpayment refunds. For federally administered, actual adjusted amounts used; for State administered, payments deflated for average rate across all States.	Not applicable.	See above.	See above.
Cooperating State agencies mail questionnaires to sample establishments to develop State and local estimates; information forwarded to BLS where national estimates prepared.	Estimated CV for average weekly hours paid, .1%; for average hourly earnings, .2%.	Incorrect responses believed to be somewhat offsetting. Estimates of employment adjusted annually to reflect complete universe. Average adjustment of .2%.	U.S. Bureau of Labor Statistics, <i>Employment and Earnings, Explanatory Data</i> , tables 1-O.
Prices of 400 items obtained from about 2,300 food outlets, 18,000 rental units, 18,000 housing units (for property taxes), and 22,300 other reporters in 85 areas. Prices of most goods and services obtained monthly in the 5 largest areas and every 3 months in others.	Estimates of standard errors are not available at present.	Errors result from inaccurate reporting, difficulties in defining concepts and their operational implementation, lack of systematic method for incorporating new outlets in the sample, and introduction of product quality changes and new products.	U.S. Bureau of Labor Statistics, <i>The Consumer Price Index: Concepts and Content Over the Years</i> , Report 517. See also text, pp. 475 and 476.



SUBJECT, SOURCE TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 15. PRICES—Con.</p> <p><i>Producer Price Index (PPI)</i></p> <p>See tables 792, 794, 797-800 and 802; in section 25, table 1295; in section 28, table 1392; and, in section 29, table 1475.</p>	<p>Monthly survey of producing companies to determine price change of all commodities produced or imported for sale in commercial transactions in primary markets in the U.S. Data on agriculture, forestry, fishing, manufacturing, mining, gas, electricity, and public utilities.</p>	<p>Nonprobability sample of 2,800 commodities and about 10,000 respondents.</p>
<p>SECTION 16. ELECTIONS</p> <p>See section 1 above for information pertaining to tables 856 and 857 and section 10 above pertaining to table 845.</p>		
<p>SECTION 17. BANKING, FINANCE, AND INSURANCE</p> <p>See section 4 above for information pertaining to table 921.</p>		
<p>SECTION 18. BUSINESS ENTERPRISE</p> <p><b>U.S. Internal Revenue Service</b></p> <p><i>Statistics of Income</i></p> <p><i>Business Income Tax Returns</i></p> <p>See tables 926, 927, 929 and 930</p>	<p>Annual study of unaudited income tax returns of sole proprietorships, Form 1040 with business or farm schedules, and partnerships, Form 1065. Data provided on various financial characteristics by industry and size of business receipts, adjusted gross income (sole proprietorships only), and total assets (partnerships only).</p>	<p>Stratified probability sample of 79,440 sole proprietorships and 43,147 partnerships in 1977. Sole proprietorship sample is broken into sample classes based on type of return and on combinations of adjusted gross income or the largest of specific income or loss items and receipts. Partnership sample is broken into sample classes based on combinations of gross receipts, total income or loss, and total assets, and on industry. Sampling rates for proprietorships varied from .03% to 100%; for partnerships from .7% to 100%.</p> <p>(See section 9 above for information pertaining to tables 926, 927, 929, 930, and 947-950, and section 29, below for table 954.)</p>
<p>SECTION 19. COMMUNICATIONS</p> <p>See section 29 for information pertaining to tables 1003, 1008, 1009, and 1014.</p>		
<p>SECTION 22. TRANSPORTATION—LAND</p> <p>See section 1 above for information pertaining to table 1134, section 2 for table 1112, section 13 for table 1097, and section 28 for tables 1123 and 1133.</p>		
<p>SECTION 23. TRANSPORTATION—AIR AND WATER</p> <p><b>U.S. Bureau of the Census</b></p> <p><i>Foreign Trade—Export Statistics</i></p> <p>See Bureau of the Census citations for export statistics in source notes in sections 23 and 31 and also tables 1248, 1348, and 1566.</p>	<p>The export declarations collected by Customs are processed each month to obtain data on the movement of U.S. merchandise exports to foreign countries. Data obtained include value, quantity, and shipping weight of exports by commodity, by country of destination, by Customs district of exportation, and by mode of transportation.</p>	<p>Shipper's Export Declarations are required to be filed for the exportation of merchandise valued over \$500. Customs officials collect and transmit the documents to the Bureau of the Census on a flow basis for data compilation. Probability sampling is used in the compilation process for low-value shipments (which account for 3% of total value), i.e. shipments to Canada valued \$501-\$1,999 and to other countries valued \$501-\$999.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Data collected by mail. If transaction prices not supplied, list prices used. Some prices obtained from trade publications, organized exchanges, and government agencies. To calculate index, price changes multiplied by their relative weights based on total net selling value of all commodities in 1972.	Not applicable.	Transaction prices at time of shipment not always available, so list and order prices sometimes used. Only about half of the total value of the mining and manufacturing sectors covered by current program. Double counting bias present because gross shipment values are used as weights.	U.S. Bureau of Labor Statistics, <i>Handbook of Methods</i> , Bulletin 1910 (1976).
Computer selection of sample tax return records. Data adjusted during editing for incorrect, missing, or inconsistent entries to ensure consistency with other entries on return.	Estimated CV's: For sole proprietorships, number of businesses, .5%; business receipts, .9%; and net income, .7%. For partnerships, number of partnerships, .2%; business receipts, .6%; and net income, .7%.	Processing errors and errors arising from the use of tolerance checks for the data.	U.S. Internal Revenue Service, <i>Statistics of Income, Business Income Tax Returns</i> .
Statistical copies of Shipper's Export Declarations received on a daily basis from Customs ports throughout the country are subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued \$1,000 and over, and in the case of exports to Canada, \$2,000 and over. Estimates for shipments valued at \$500 or less are made, based on established percentages of individual country totals.	Estimated CV's for total value of exports about .1% and, for major commodity groupings, about 1%. CV's less than 1% for total value over \$10 million, less than 2% for totals between \$3 million and \$10 million, and less than possible errors due to rounding for values less than \$3 million.	Clerical and complex computer checks intercept most processing errors and minimize otherwise significant reporting errors; other nonsampling errors are caused by undercounting of exports to Canada due to the nonreceipt of some Shipper's Export Declarations.	U.S. Bureau of the Census, <i>U.S. Exports, Schedule E, Commodity by Country</i> , FT 410.

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p>SECTION 23. TRANSPORTATION— AIR AND WATER—Con.</p> <p><i>Foreign Trade—Import Statistics</i></p> <p>See Bureau of the Census citations for import statistics in source notes in sections 23 and 31 and also tables 1348 and 1566.</p>	<p>The import entry documents collected by Customs are processed each month to obtain data on the movement of merchandise imported into the United States. Data obtained include value, quantity, and shipping weight by commodity, by country of origin, by Customs district of entry, and by mode of transportation.</p>	<p>Import entry documents are required to be filed for the importation of goods into the United States. Customs officials collect and transmit statistical copies of the documents to the Bureau of the Census on a flow basis for data compilation. A 1% sample of entries is processed for shipments valued \$250 or less, which account for less than 1% of the total import value.</p>
<p>SECTION 24. AGRICULTURE</p> <p><b>U.S. Bureau of the Census</b> <i>1974 Census of Agriculture</i></p> <p>See tables citing Census of Agriculture in section 24 and, in section 32, table 1565.</p> <p><b>U.S. Department of Agriculture, Economics, Statistics, and Cooperatives Service (ESCS)</b></p> <p><i>Basic Area Frame Sample</i></p> <p>See tables citing ESCS in source notes in section 24 and table 1460, which pertain to this or the following two surveys.</p> <p><i>Multiple Frame Surveys</i></p> <p><i>Objective Yield Surveys</i></p>	<p>Census of all farm operators in the U.S. every five years, generally, to obtain data on farm acreage, crops and livestock, equipment, farm sales, income, expenses, and other items, by State and county.</p> <p>Two annual sample surveys of U.S. farm operators: June survey collects data on planted acreage and livestock inventories; December survey collects data on livestock inventories and fall-seeded crop acreage.</p> <p>Surveys of U.S. farm operators to obtain data on major livestock inventories, selected crop acreages and production, and farm labor characteristics; and to obtain farm economic data for price indexing.</p> <p>Surveys for data on corn, cotton, potatoes, soybeans, and wheat to forecast and estimate yields.</p>	<p>Complete census of most farms; sample of other farms. Self-enumeration by mail using lists of persons and organizations in agriculture from the previous census, Internal Revenue Service, Dept. of Agriculture, other government agencies, and agricultural related associations.</p> <p>Stratified probability sample of about 16,000 land area units of about 1 sq. mile (range from .1 sq. mile in cities to several sq. miles in open grazing areas). Sample includes 60,000 parcels of agricultural land. About 20% of the sample replaced annually.</p> <p>Primary frame from general or special purpose lists, supplemented by a probability sample of land areas.</p> <p>Random location of plots in probability sample of fields. Fields selected in June or December from Basic Area Frame Sample (see above).</p>
<p>See section 1 above for information pertaining to the Current Population Survey, and section 23 for information pertaining to table 1248.</p>		
<p>SECTION 28. CONSTRUCTION AND HOUSING</p> <p><b>U.S. Bureau of the Census</b> <i>Census of Construction Industries</i></p> <p>See tables 1393 and 1394 and, in section 32, table 1564.</p>	<p>Census every five years. In 1977, it covered all establishments primarily engaged in contract construction, in construction for sale on their own account (operative builders), or in subdividing real property into lots (approximately 530,000 establishments with paid employees, 600,000 without paid employees).</p>	<p>Probability sample of 181,000 establishments, which comprised all medium and large size employers in the universe and a probability sample of small employers. Also, all 600,000 establishments without paid employees are included in the coverage through administrative records.</p>

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Statistical copies of import entry documents, received on a daily basis from Customs ports of entry throughout the country, are subjected to a monthly processing cycle. They are fully processed to the extent they reflect items valued \$251 and over.	Estimated CV for world area and country totals less than .1% for totals over \$20 million; less than .5% for totals between \$1 million and \$20 million; and less than possible errors due to rounding for values less than \$1 million.	Verification of statistical data reporting by Customs officials prior to transmittal and a subsequent program of clerical and computer checks hold nonsampling errors arising from reporting and/or processing errors to a minimum.	U.S. Bureau of the Census, <i>U.S. General Imports, Schedule A, Commodity by Country</i> , FT 135.
Mail questionnaire to all farms with \$2,500+ sales; shorter questionnaire to other (only a sample from ASCS list if not also on other lists). Nonrespondent followup by letters and phone calls. Published data adjusted for non-response, but not for underenumeration.	Standard errors by county and State for farm acreage, value of land and buildings, various crop and livestock values given in Appendix A tables of each 1974 State volume. The estimated CV for U.S. land in farms and value of crops sold is .04%.	Undercoverage of farms (chiefly small farms) was about 11% nationally; amount of land missed 7%; and value of farm products sold underestimated by 3%. Estimates of undercoverage in each State in 1969 and 1974 given in State volumes. Adjustment for farm non-response as a percent of the U.S. total represented 12.3% for number of farms, 5.9% for land in farms, and 4.1% for value of products sold.	U.S. Bureau of the Census, <i>Census of Agriculture, 1974</i> , State and county volumes, and vol. IV, part 3, <i>Coverage Evaluation</i> .
Data collection by personal enumeration. Imputation based on enumerator observation or data reported by respondents having similar agricultural characteristics.	CV's range from 1% to 2% for national estimates of major crop acreage and livestock inventories and from 3% to 8% for corresponding State estimates.	Minimized through rigid quality controls on the collection process and careful review of all reported data.	U.S. Department of Agriculture, SRS, <i>Scope and Methods of the Statistical Reporting Service</i> , Miscellaneous Publication No. 1308, July 1975.
Mail or personal interviews used for initial data collection. Mail nonrespondent followup by phone and personal interviews.	Estimated CV for number of hired farm workers is about 3%. See above for CV's of other national and State estimates.	Nonresponse rates vary from 5% to 15%.	See above.
Enumerators count and measure plant characteristics in sample fields. Production measured from plots at harvest.	CV's for national estimates of production are about 2% to 3%.	See above.	See above.
Survey data for employers collected by questionnaire. IRS business tax forms used for establishments without paid employees. Followup on problems with questionnaire responses. Within industry, by State cross-classifications, missing data imputed based on relationships of known responses to administrative data.	Estimated CV of about 1% at national level for estimated totals of all construction and about .5% for construction subindustries.	Response rate 80% to 85% for most items. Computer scan used to identify incomplete questionnaires for review.	U.S. Bureau of the Census, <i>Census of Construction Industries, 1977</i> , vol. I, <i>Industry and Geographic Area Statistics</i> .

## Appendix III

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<p><b>SECTION 28. CONSTRUCTION AND HOUSING—CON.</b></p> <p><i>Monthly Survey of New Construction</i></p> <p>See tables 1396-1399 and 1424-1426.</p> <p><i>Value of New Construction Put in Place</i></p> <p>See tables 1385-1387.</p> <p><i>Census of Housing</i></p> <p>See tables 1404-1409, 1414, and 1427.</p> <p><i>Annual Housing Survey</i></p> <p>See tables citing Annual Housing Survey in source notes in section 28 and, in section 22, tables 1123 and 1133.</p> <p><i>Housing Vacancy Survey</i></p> <p>See tables 1411, 1420, and 1421.</p>	<p>Survey conducted monthly of newly constructed housing units (excluding mobile homes, and nonhousekeeping residential buildings such as motels, hotels, courts, and cabins). Data collected on the start, completion, and sale of housing. (Annual figures are aggregates of monthly estimates.)</p> <p>Survey conducted monthly on total value of all construction put in place in the current month, both public and private projects. Construction values include costs of materials and labor, contractors' profits, overhead costs, cost of architectural and engineering work, and miscellaneous project costs. (Annual figures are aggregates of monthly estimates.)</p> <p>Census of all occupied and vacant housing, excluding group quarters, conducted every 10 years as part of the decennial census (see section 1 above) to determine characteristics of U.S. housing.</p> <p>Conducted nationally in the fall of each year to obtain data on the approximately 80 million occupied or vacant housing units in the U.S. (group quarters are excluded). Data include characteristics of occupied housing units, housing inventory changes, vacant units, new housing and mobile home units, recently relocated households, and housing and neighborhood quality indicators.</p> <p>Survey to obtain data on vacancy rates, characteristics of vacant units, tenure of occupied units from one sampler, and characteristics of occupied units from a second.</p>	<p>Probability sample of housing units obtained from building permits selected from 14,000 permit-issuing places through 1978 and, beginning in 1979, 16,000 places. (Estimates adjusted to account for buildings for which permits were not obtained.) For nonpermit places, multistage probability sample of new housing units selected in 137 PSU's. In those areas, "knowledgeable" persons provide list of housing starts verified by phone or visit; areas also canvassed.</p> <p>Varies by type of activity: Total cost of private one-family houses started each month is distributed into value in place using fixed patterns of monthly construction progress; using a multistage probability sample, data for private multifamily housing are obtained by mail from owners of multifunit projects. Data for residential additions and alterations are obtained in a quarterly survey measuring expenditures; monthly estimates are interpolated from quarterly data. Estimates of value of private nonhousekeeping, nonresidential buildings, and State and local government construction are obtained by mail from owners (or agents) for a probability sample of projects; estimates of farm nonresidential construction expenditures are based on U.S. Department of Agriculture annual estimates of construction; public utility estimates are obtained from reports submitted to Federal regulatory agencies and from private utility companies; estimates for all other private construction (nonbuilding) are obtained by phasing F. W. Dodge contract award data; government estimates of Federal construction are based on monthly data supplied by Federal agencies.</p> <p>For 1970, a complete count of 12 housing items. Other items collected from 5% and 15% probability samples selected for two sets of detailed questions on housing (these two sets having some common items). Mailing lists compiled from several sources and checked by the Post Office were supplemented with listings of possible housing units observed by enumerators.</p> <p>The national sample is a multistage probability sample with about 72,000 units eligible for interview in 1978. Sample units, selected within 461 PSU's, are surveyed over a 3-month period.</p> <p>Consists of two samples: First one from CPS (see section 1 above); second sample, the Quarterly Household Survey (QHS), is a probability sample of 6,000 households in 103 PSU's.</p>

(See section 1 above for information pertaining to the Census of Population and section 15 pertaining to table 1392.)

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
Data obtained by telephone inquiry and field visit.	Estimated CV of 3% to 4% for estimates of national totals; as high as 20% for estimated totals of more detailed characteristics, such as residential multiunit structures.	Response rate over 90% for most items, Non-sampling errors attributed to definitional problems, differences in interpretation of questions, incorrect reporting, inability to obtain information about all cases in the sample, and processing errors.	U.S. Bureau of Census, <i>Construction Reports</i> , series C20, <i>Housing Starts</i> , C22; <i>Housing Completions</i> , C25; <i>Housing Sales</i> ; and C27, <i>Price Index of New One-Family Houses Sold</i> .
See "Type of Data Collection Operation." Imputation accounts for approximately 20% of estimated value of construction each month.	CV estimates for private non-residential building construction range from 1% for estimated number of office buildings to 6% for religious institutions. CV approximately 1% for total new private nonresidential buildings.	For directly measured data series based on samples, some nonsampling errors may arise from processing errors, imputations, and misunderstanding of questions. Indirect data series are dependent on the validity of the underlying assumptions and procedures.	U.S. Bureau of the Census, <i>Construction Reports</i> , series C30, <i>Value of New Construction Put in Place</i> .
In 1970, a self-enumeration census using a mail-out/mail-back procedure used in most area (previously, enumerators visited households). Followup for nonrespondents and identification of vacant units done by phone and personal visit.	Estimated CV's of the estimates at the national level are very small. Most of the CV's are less than .6%. As an example, the estimated CV for the estimated number of housing units with warm air furnaces is less than .03%.	In 1970, undercount of housing units estimated at 1.4%; 1950 undercount, 2.3%, and 1960 undercount, 2%. Estimates of various censuses not strictly comparable due to differences in timing, procedures, etc.	U.S. Bureau of the Census, <i>U.S. Census of Population and Housing: Procedural History</i> , 1960 and 1970.
Survey conducted by personal interview with subsequent followup by telephone or personal visit.	For the national sample, illustrations of the S.E. of the estimates are provided in the appendix of each report. As an example, the estimated CV is about .4% for the estimate of the number of owner occupied housing units.	Response rate about 94%. Errors result from incorrect or incomplete responses, errors in coding and recording, and processing errors. For the 1978 national sample, about 800,000 units were not included in the sample coverage. A reinterview study also indicates some inconsistencies in the data, especially in some attitudinal items.	U.S. Bureau of the Census, <i>Current Housing Reports</i> , series H-150 and H-170, <i>Annual Housing Survey</i> .
First contact with a household is personal interview; subsequent interviews often conducted by phone.	As an example, S.E. for estimated annual average vacancy rate for rental units with six units or more is .2%. Other S.E.'s shown in census publication.	Due to interviews and respondent errors. Response rate of QHS is 95%. (See section 1 above for GPS.)	U.S. Bureau of the Census, <i>Current Housing Reports</i> , series H-111, <i>Housing Vacancies</i> .

SUBJECT, SOURCE, TITLE, TABLES	UNIVERSE, FREQUENCY, TYPES OF DATA	TYPE OF DATA COLLECTION OPERATION
<b>SECTION 29. MANUFACTURES</b>		
<b>U.S. Bureau of the Census</b> <i>Census of Manufactures</i>  See tables citing <i>Census of Manufactures</i> in source notes in section 29 and also tables 607, 954, 1003, 1008, 1009, 1014, 1115, 1298, and 1563.	Conducted every five years to obtain information on labor materials, capital input and output characteristics, plant location, and legal form of organization for all plants in the United States with one or more employees. Universe was 340,000 manufacturing firms.	Complete enumeration of data items obtained from 200,000 firms. Administrative records from Internal Revenue Service and Social Security Administration used for 140,000 smaller single-unit firms, which were determined by various cutoffs based on size and industry.
<i>Annual Survey of Manufactures</i>  See tables citing <i>Annual Survey of Manufactures</i> in source notes in section 28.	Conducted annually to provide basic measures of manufacturing activity for intercensal years for all manufacturing establishments having one or more paid employees.	Sampling frame is 340,000 firms in the 1972 Census of Manufacturers (see above), supplemented by Social Security Administration lists of new manufacturers, from which a probability sample of 70,000 establishments is selected. All companies having at least one establishment with 250+ employees included in the sample along with a sample of other companies. All establishments within selected companies are included.
(See section 24 above for information pertaining to table 1460 and section 15 for table 1475.)		
<b>SECTION 30. DOMESTIC TRADE AND SERVICES</b>		
<b>U.S. Bureau of the Census</b> <i>Census of Wholesale Trade, Census of Retail Trade, Census of Selected Service Industries</i>  See tables citing the above censuses or the <i>Census of Business</i> , or the titles above in source notes in section 30 and table 328 in section 6.	Conducted every five years to obtain data on number of establishments, number of employees, total payroll size, and total sales. In 1972, universe was all employer establishments primarily engaged in wholesale trade, and employer and nonemployer establishments primarily engaged in retail trade or selected service industries. The universe for the 1977 Census of Retail Trade and Wholesale Trade was the same. 1977 Census of Service Industries was expanded to cover several new service industries.	All wholesale firms with paid employees surveyed; all retail and selected service industries with 4+ paid employees surveyed plus a sample of smaller firms. Firms with no employees not required to file a census return.
<i>Annual Retail Trade Survey</i>  See tables 1495 and 1497.	Annual survey to obtain estimates of retail sales and inventories in the U.S. represents all employers and nonemployer retail establishments operating at the end of the calendar year.	Probability sample from firms in the sample of the Current Business Survey (CBS); see below.
<i>Current Business Surveys</i>  See tables 1492-1496, 1510, 1511, and 1514.	Provides monthly estimates of retail sales by kind of business and geographic area, and accounts receivable balances of retail stores; wholesale sales and inventories; and receipt of selected service industries.	Probability sample of establishments from a list frame and an area frame. List frame is the Bureau's Standard Statistical Establishment List (SSEL) updated quarterly for recent "births" from the Social Security Administration list of establishments having an employer identification number. The largest firms are included monthly; a sample of others is included every three months on a rotating basis. The area frame covers businesses not subjected to sampling on the first frame. The area sample consists of selected land segments in which all in-scope businesses are canvassed and those businesses determined not to be subjected to sampling on the list frame are tabulated.

**SECTION 31. FOREIGN COMMERCE AND AID**

See section 23 above for information pertaining to tables citing import and export statistics in source notes in this section.

DATA COLLECTION AND IMPUTATION PROCEDURES	INFORMATION ON ERRORS IN THE DATA		SOURCES OF ADDITIONAL MATERIAL
	Estimates of sampling error	Other (nonsampling) errors	
<p>Five mail and telephone followups for larger nonrespondents. Data for small single-unit firms (generally those with fewer than 10 employees) not mailed census questionnaires are estimated from administrative records of IRS and SSA. Data for nonrespondents imputed from related responses or administrative records from IRS and SSA. Approximately 3.7% of total value of shipments was represented by fully imputed records in 1977</p> <p>Survey conducted by mail with phone and mail followups of nonrespondents. Imputation (for all non-response items) based on previous year reports, or for new establishments in survey, on industry averages.</p>	<p>Not applicable.</p> <p>Estimated CV's for number of employees and for value added totals given in annual publications. For State totals, estimated CV's are 2% or less, but vary considerably for detailed characteristics.</p>	<p>Based on evaluation studies, estimates of nonsampling errors for 1972 were about 1.3% for estimated total payroll; 2% for total employment; and 1% for value of shipments. Estimates for 1977 are not yet available.</p> <p>Response rate about 85%. Nonsampling errors include those due to collection, reporting, and transcription errors, many of which are corrected through computer and clerical checks.</p>	<p>U.S. Bureau of the Census, <i>Census of Manufactures, 1977</i>, vol. I, <i>Subject and Special Statistics</i>, forthcoming.</p> <p>U.S. Bureau of the Census, <i>Annual Survey of Manufactures</i>, and Technical Paper 24.</p>
<p>Mail and telephone followups for nonrespondents. Data for nonrespondents and "non-selected" firms in retail trade and selected services from administrative records of IRS and the Social Security Administration. Imputation from related responses or administrative records from IRS OR SSA.</p> <p>Survey questionnaire mailed early in year and followed by mail and phone followups. Imputation based on previous reports of the firm in current monthly surveys or latest business census, supplemented by administrative records. Imputation used extensively for firms not in business at end of year.</p> <p>Data collected by mail with telephone followup for nonrespondents. Imputation made for each nonresponse item and each item failing edit checks.</p>	<p>Not applicable.</p> <p>CV for national estimates of total sales and inventories is about 1%. For more detailed estimates by kind of business, or geographic areas, estimated CV's range from 0 to 8%, occasionally as high as 10.5%.</p> <p>CV's about .8% for estimated total retail sales, .9% for wholesale sales, .9% for wholesale inventories, and 1.1% for selected service receipts. Sampling errors shown in monthly publications.</p>	<p>Response rate 85% for single establishment firms; 92% for multi-establishment firms. Item response ranged from 60% to 90% with higher rates for less detailed questions.</p> <p>Nonresponse rate, 5% or less. Incomplete response ranges from 5% for inventories to 9% for sales.</p> <p>Nonresponse rate about 10% monthly. Incomplete response for wholesale inventories and retail accounts receivable range between 20% and 25% monthly. Special studies indicate a tendency to underreport current month sales and inventories.</p>	<p>U.S. Bureau of the Census, Appendix A of <i>Census of Retail Trade</i>, vol. I; <i>Census of Selected Services</i>, vol. I; <i>Census of Wholesale Trade</i>, vol. I, and <i>Economic Censuses, Procedural History</i>, January 1976.</p> <p>U.S. Bureau of the Census, <i>Annual Retail Trade Report</i>, 1976.</p> <p>U.S. Bureau of the Census, <i>Monthly Retail Trade Reports</i>, <i>Monthly Wholesale Trade Reports</i>, and <i>Monthly Selected Services Receipts Reports</i>.</p>



## APPENDIX IV

### Guide to Sources of Statistics

Alphabetically arranged by subject, this guide contains references to the important primary sources of statistical information for the United States. Secondary sources have been included if the information contained in them is presented in a particularly convenient form or if primary sources are not readily available. Nonrecurrent publications presenting compilations or estimates for years later than 1970 or types of data not available in regular series are also included.

Much valuable information may also be found in State reports (see pp. 1013-1016) and in reports for particular commodities, industries, or similar segments of our economic and social structure, many of which are not included here.

Publications listed under each subject are divided into two main groups: "U.S. Government" and "Other." The location of the publisher of each report is given except for Federal agencies located in Washington, D.C. Most Federal publications may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, tel. (202) 783-3238, or from Government Printing Office bookstores in certain major cities. In some cases, Federal publications may be obtained from the issuing agency.

Major reports, such as the Census of Population, which consist of many volumes, are listed by their general, all-inclusive titles.

Abortions—see Vital Statistics.

**Accidents**—see also Health; Insurance; and Vital Statistics

#### *U.S. Government*

##### *Bureau of Labor Statistics*

Occupational Injuries and Illness in the United States, by Industry. Annual.

##### *Civil Aeronautics Board*

Supplement to the Handbook of Airline Statistics. Biennial.

##### *Department of Transportation*

Transportation Safety Information Report. Quarterly.

##### *Federal Aviation Administration*

FAA Statistical Handbook of Aviation. Annual.

##### *Federal Railroad Administration*

Accident/Incident Bulletin. Summary, statistics, and analysis of accidents on railroads in United States. Annual.

Advance Accident/Incident Bulletin. A preliminary summary of accident data covering incidents causing more than \$2,300 damage, casualties from rail operations, and rail-highway grade crossing accidents.

#### **Accidents**—Con.

##### *U.S. Government*—Con.

##### *Federal Railroad Administration*—Con.

FRA Guide for Preparing Accident/Incident Reports. A list of official reporting marks for rolling stock of all major and short-line railroads in the United States and Canada.

Rail-Highway Grade-Crossing Accident/Incident Bulletin. Annual.

Summary Statistics of The National Railroad-Highway Crossing Inventory For Public At-Grade Crossings. An inventory which contains data on the physical and operational characteristics of the 402,000 railroad-highway crossings in the United States.

##### *Mine Safety and Health Administration*

##### *Safety Reviews:*

Coal-Mine Fatalities. Monthly.

Coal-Mine Injuries and Worktime. Monthly.

Metal and Nonmetal Mine Injuries. Quarterly.

##### *National Center for Health Statistics*

Current Estimates from the Health Interview Survey. Annual.

**Accidents—Con.***U.S. Government—Con.*

National Center for Health Statistics—  
Con.

Vital Statistics of the United States.  
Annual.

*Other*

Metropolitan Life Insurance Company,  
New York  
Statistical Bulletin. Quarterly.

National Fire Protection Association,  
Boston  
Fire Journal. Bimonthly.

National Safety Council, Chicago  
Accident Facts. Annual.

The Travelers Insurance Companies,  
Hartford  
Annual Accident Series.

**Agriculture—***see also* Construction; Food;  
Irrigation; Labor; Money and Banking;  
and Population

*U.S. Government*

## Bureau of the Census

Census of Agriculture. Quinquennial.  
(1978, most recent.)

U.S. Commodity Exports and Imports  
as Related to Output. Annual.  
(Series ES2.)

Bureau of the Census and Bureau of  
Mines

Raw Materials in the United States  
Economy; 1900–1977. (Issued  
1980, Working Paper No. 47.)

Commodity Futures Trading Commission  
Commodity Futures Statistics. Annual.  
(Statistical Bulletin No. 516.)

Department of Agriculture, Agricultural  
Stabilization and Conservation  
Service

Commodity Credit Corporation Report  
of Financial Condition and Oper-  
ations. Quarterly.

Department of Agriculture, Economics,  
Statistics, and Cooperatives Service  
Agricultural Finance Statistics. Annual.  
Agricultural Outlook. Monthly.

Agricultural Price Reports. Reports on  
prices received for farm commod-  
ities, prices paid for farm supplies,  
indexes and parity ratios. Monthly  
and annual.

Agricultural Statistics. Annual.

Balance Sheet of the Farming Sector.  
Annual. (Agricultural Information  
Bulletin No. 430, Supplement 2/80.)

**Agriculture—Con.***U.S. Government—Con.*

Department of Agriculture, Economics,  
Statistics, and Cooperatives Ser-  
vice—Con.

Changes in Farm Production and Effi-  
ciency; Summary Report. Annual.  
(Statistical Bulletin No. 628.)

Conversion Factors and Weights and  
Measures for Agricultural Commod-  
ities and Products. March 1979.  
(Statistical Bulletin No. 616.)

Farm Income Statistics. Annual. (Sta-  
tistical Bulletin No. 627.)

Farm-Retail Spreads for Food Prod-  
ucts. (Miscellaneous Publication No.  
741.) 1972.

Field Crop Reports. Acreage yield,  
production, and value of various  
commodities. Periodic.

Food Consumption, Prices, and Ex-  
penditures. (Agricultural Economics  
Report No. 138.) Supplemented an-  
nually.

Foreign Agricultural Trade of the  
United States. Monthly with annual  
supplements on calendar year and  
fiscal year trade data.

Fruit and Vegetable Reports. Acre-  
age, yield, production, value, and  
utilization of various fruits and vege-  
tables. Periodic.

Handbook of Agricultural Charts. (Ag-  
ricultural Handbook No. 524.)  
Annual.

The Hired Farm Working Force.  
Annual.

Livestock and Livestock Products.  
Reports pertaining to cattle, cattle  
on feed, hogs and pigs, lamb crop  
and wool, livestock slaughter,  
sheep and goats, sheep on feed,  
and wool and mohair. Periodic.

Major Uses of Land in the United  
States. Summary for 1974. Decem-  
ber 1979. (Agricultural Economics  
Report No. 440.)

Milk and Dairy Products Reports. Milk  
production, dairy products, butter,  
and american cheese production  
reports. Weekly, monthly, annual.

Other Reports. Reports on varied  
items including cold storage, com-  
mercial fertilizer, farm labor, farm  
numbers, farm production expendi-  
tures, floriculture, honey, maple  
sirup, milk, mushrooms, naval  
stores. Monthly, quarterly, annual.

Poultry and Egg Reports. Reports  
covering eggs, chickens, turkeys,  
hatcheries, and poultry slaughter.  
Weekly, monthly, annual.

**Agriculture—Con.***U.S. Government—Con.*

Department of Agriculture, Economics, Statistics, and Cooperatives Service—*Con.*

Seed Crop Reports. Acreage, yield, production, value of various seed crops. Periodic.

Situation Reports. Issued for cotton and wool, dairy products, fats and oils, feed, fertilizer, fruit, livestock and meat, poultry and eggs, rice, sugar and sweeteners, tobacco, vegetables, wheat, and world agriculture. Monthly, quarterly, annual.

State Farm Income Statistics. Annual. Supplement to Statistical Bulletin 627.

Statistics of Farmer Cooperatives. Annual.

Stock Reports. Stocks of grain, hogs, peanuts, potatoes, rice and soybeans. Monthly, quarterly, annual.

U.S. Food Expenditures, 1954–1978. August 1979. (AER-431.)

Weekly Weather and Crop Bulletin. Report summarizing weather and its effect on crops the previous week.

Farm Credit Administration  
Annual Report.

Loans and Discounts of Farm Credit Banks and Associations. Annual.

National Oceanic and Atmospheric Administration

Weekly Weather and Crop Bulletin. National summary.

Air Force—*see* National Defense.

Air Pollution—*see* Health.

Aliens—*see* Immigration.

American Samoa—*see* Outlying Areas.

Area—*see* Geography.

Army—*see* National Defense.

Aviation—*see* Transportation.

Banks and Banking—*see* Money.

Births—*see* Vital Statistics.

Broadcasting—*see* Communications.

Building Permits—*see* Construction.

**Business**—*see also* Economic Indexes; Investments; Manufactures; Retail and Wholesale Trade; Scientific Resources; and Service Establishments.

*U.S. Government*

Administrative Office of the United States Courts

Tables of Bankruptcy Statistics. Annual.

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin Monthly.

Bureau of the Census

Census of Retail Trade. Quinquennial. (1977, most recent.)

Census of Service Industries. Quinquennial. (1977, most recent.)

Census of Wholesale Trade. Quinquennial. (1977, most recent.)

County Business Patterns. Annual.

Current Business Reports. Monthly series on Department Store Sales in Selected Areas, BD; Retail Trade, Sales, Accounts Receivable, and Inventories, BR; Selected Services Receipts, BS; and Wholesale Trade, Sales, and Inventories, BW. Canned Food Report, BI, issued five times a year. Green Coffee, BG, issued quarterly.

Mergers & Acquisitions, 1972–1974. 1978.

Minority-Owned Businesses: 1972.

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics. Biennial.

Fixed Nonresidential Business and Residential Capital in the United States, 1925–1975. 1976.

Handbook of Cyclical Indicators. 1977.

National Income and Product Accounts of the United States, 1929–1974: Statistical Tables. 1976.

Survey of Current Business. Monthly.

Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

Federal Trade Commission

Quarterly Financial Report for Manufacturing, Mining, and Trade Corporations.

Statistical Report on Mergers and Acquisitions. Annual.

Working Capital for U.S. Nonfinancial Corporations. Quarterly. Beginning August 1978 published by the Federal Reserve Board.

**Business—Con.***U.S. Government—Con.*

## Internal Revenue Service

## Statistics of Income.

Business Income Tax Returns. Annual.

Corporation Tax Returns. Annual.

1968 and 1972, International Income and Taxes, U.S. Corporations and Their Controlled Foreign Corporations. (One of periodic reports on foreign income and tax reported on U.S. corporation tax returns.)

## Patent and Trademark Office

Commissioner of Patents and Trademarks Annual Report.

## Securities and Exchange Commission

Statistical Bulletin. Monthly.

## Senate, Committee on Government Operations

Disclosure of Corporate Ownership. 1973. (93d Congress, 1st Session.)

## Small Business Administration

Annual Report.

*Other*The Conference Board, New York  
Economic Road Maps. Monthly.

Dun &amp; Bradstreet, Inc., New York

The Failure Record. Annual.

Monthly Failure Report.

Monthly New Business Incorporation Report.

Quarterly Business Starts.

Quarterly Businessmen's Expectations Report.

Fortune (Time, Inc.), New York

The Fortune Directory of the 500 Largest Industrial Corporations. (Annual supplement to Fortune.)

National Bureau of Economic Research, Cambridge, Mass.

The Business Cycle Today, by Victor Zarnowitz. 1972. (General Series 96, Vol. 1.) (University Microfilms, Ann Arbor.)

The Channels of Monetary Effects on Interest Rates, by Phillip Cagan. 1972. (General Series 97.) (Columbia University Press, Irvington, N.Y.)

Conference on Research in Taxation, Michael Boskin, editor. Published as Supplement to Journal of Political Economy, April 1978. (Vol. 86, No. 2, part 2.)

Conference on Secular Inflation, Karl Brunner, editor. 1973. (Universi-

**Business—Con.***Other—Con.*

National Bureau of Economic Research, Cambridge, Mass.—Con.

ties—National Bureau Conference 25.) (Supplement to Journal of Money Credit and Banking, No. 1, part 2. University Microfilms, Ann Arbor.)

Economic Growth, by William D. Nordhaus and James Tobin. 1972. (General Series 96, Vol. V.) (University Microfilms, Ann Arbor.)

Forecasts with Macroeconometric Models, by Yoel Haitovsky, George Treyz, and Vincent Su. 1974. (Studies in Business Cycles 23.) (Columbia University Press, Irvington, N.Y.)

The Formation and Stocks of Total Capital, by John W. Kendrick. 1976. (General Series 100.) (Columbia University Press, Irvington, N.Y.)

Institutional Investors and Corporate Stock—A Background Report, Raymond Goldsmith, editor. 1973. (Studies in Capital Formation and Financing 13.) (Columbia University Press, Irvington, N.Y.)

Measures of Credit Risk and Experience, by Edgar R. Fiedler. 1971. (General Series 95.) (University Microfilms, Ann Arbor.)

Orders, Production, and Investment—A Cyclical and Structural Analysis, by Victor Zarnowitz. 1973. (Business Cycles 22.) (Columbia University Press, Irvington, N.Y.)

Postwar Productivity Trends in the United States, by John W. Kendrick. 1973. (General Series 98.) (Columbia University Press, Irvington, N.Y.)

Substituting a Value-Added Tax for the Corporate Income Tax, by S. P. Dresch, An-loh Linn, and D. K. Stout. (Fiscal Studies Series, No. 15.) (Ballinger Publishing Co., Cambridge, Mass.)

Urban Land Institute, Washington, D.C.

The Dollars and Cents of Shopping Centers. Triennial.

Canal Zone—see Outlying Areas.

Child Welfare—see Education; and Social Insurance.

City Government—see State and Local Government.

Civil Service—see Federal Government; and State and Local Government.

**Climate**—*see also* Health*U.S. Government*

National Oceanic and Atmospheric Administration

Climatological Data. National Summary; also issued in sections for States and outlying areas. Monthly with annual summary.

Comparative Climatic Data Through 1977.

Daily River Stages. Annual.

General Summary of Tornadoes. Annual.

Hourly Precipitation Data. Monthly with annual summary; for each State.

Local Climatological Data. Monthly with annual summary; for major cities.

Storm Data. Monthly.

Weekly Weather and Crop Bulletin. National summary.

**Commerce**—*see* Foreign Commerce; Retail and Wholesale Trade; and Transportation.

**Commodity Prices**—*see also* Economic Indexes*U.S. Government*

Board of Governors of the Federal Reserve System.

Federal Reserve Bulletin. Monthly.

Bureau of Labor Statistics

Announcement to Users of the Consumer Price Index. 1978.

City Worker's Family Budget, Pricing Procedures, Specifications, and Average Prices. (Bulletin No. 1570-3.) Updated in annual press releases; titles vary.

Consumer Expenditure Survey Series: Daily Data, 1972, 1975. (Report Series 448.)

Consumer Price Index. Monthly.

Consumer Price Index: Energy. Monthly.

Consumer Price Index, U.S. City Average and Selected Items, Groups, and Areas. Monthly.

Facts About the Revised Consumer Price Index. 1978.

Handbook of Labor Statistics. Annual.

Monthly Labor Review.

Producer Prices and Price Indexes. Monthly and annual.

Productivity and Costs. Quarterly.

Productivity and Costs in Nonfinancial Corporations. Quarterly.

Relative Importance of Items in the Consumer Price Index. Annual.

**Commodity Prices**—Con.*U.S. Government*—Con.

Bureau of Labor Statistics—Con.

Three Budgets for a Retired Couple in Urban Areas of the United States. (Bulletin No. 1570-6 and supplements.) Updated in annual press releases; titles vary.

Three Standards of Living for an Urban Family of Four Persons. (Bulletin No. 1570-5 and supplements.) Updated in annual press releases; titles vary.

Tuesday Spot Market Price Indexes and Prices. Weekly and monthly summary.

Department of Agriculture, Economics, Statistics, and Cooperatives Service.

Agricultural Prices. Monthly and annual.

Agricultural Statistics. Annual.

*Other*

Commodity Research Bureau, New York  
Commodity Yearbook. Annual.

Morgan Guaranty Trust Company of New York.

The Morgan Guaranty Survey. Monthly. (Wholesale price index.)

Wall Street Journal. (Dow Jones & Co., New York.) Daily except Saturdays, Sundays, and holidays.

**Communications**—*see also* Newspapers*U.S. Government*

Bureau of the Census

Households With Television Sets in the United States. Irregular. (Current Housing Reports, H-121, Housing Characteristics.)

Federal Communications Commission

AM-FM Broadcast Financial Data. Annual.

Annual Report.

Statistics of Communications  
Common Carriers. Annual.

TV Broadcast Financial Data. Annual.

Rural Electrification Administration

Annual Statistical Report—Rural Telephone Borrowers.

U.S. Postal Service

Annual Report of the Postmaster General.

Revenue and Cost Analysis. Annual.

**Communications—Con.***Other*

John Blair & Company, New York  
Statistical Trends in Broadcasting.  
Annual.

Book Industry Study Group, Inc.  
Book Industry Trends. Annual.

Broadcasting Publications, Inc., Wash-  
ington, D.C.  
Broadcasting Yearbook.

Corporation for Public Broadcasting,  
Washington, D.C.  
Public Radio and Television Program-  
ming Content by Category. Annual.

Editor & Publisher Co., Inc.  
International Year Book. Annual.

Electronic Industries Association, Wash-  
ington, D.C.

Electronic Market Data Book. Annual.

Television Digest, Inc., Washington,  
D.C.  
Television Factbook. Annual.

United States Independent Telephone  
Association, Washington, D.C.  
Statistics of the Independent Tele-  
phone Industry. Annual.

**Construction, Housing, and Real Estate—  
see also Money and Roads***U.S. Government*

Board of Governors of the Federal Re-  
serve System  
Federal Reserve Bulletin. Monthly.

**Bureau of the Census**

Census of Construction Industries.  
Quinquennial. (1977, most recent.)

Census of Housing. Decennial. (1980,  
most recent.)

Current Construction Reports: Hous-  
ing Starts, C20 (monthly); New  
Residential Construction in Select-  
ed Standard Metropolitan Statistical  
Areas, C21 (quarterly); Housing  
Completions C22 (monthly); New  
One-Family Houses Sold and for  
Sale, C25 (monthly and annual);  
Price Index of New One-Family  
Houses Sold, C27 (quarterly); Value  
of New Construction Put in Place,  
C30 (monthly with occasional his-  
torical supplement); Housing Au-  
thorized by Building Permits and  
Public Contracts, C40 (monthly and  
annual); Housing Units Authorized  
for Demolition in Permit-Issuing  
Places, C45 (annual); Residential  
Alterations and Repairs, C50 (quar-  
terly and annual).

**Construction, Housing, and Real Estate—  
Con.***U.S. Government—Con.***Bureau of the Census—Con.**

Current Housing Reports: Housing Va-  
cancies, H-111 (quarterly and  
annual); Market Absorption of  
Apartments, H-130 (quarterly and  
annual); Characteristics of Apart-  
ments Completed, H-131 (annual);  
Annual Housing Survey, H-150  
(series of six annual reports);  
Annual Housing Survey—Housing  
Characteristics for Selected Metro-  
politan Areas, H-170.

Housing Starts, 1959 to 1971. 1972.

Social Indicators, 1973; 1976.

**Bureau of Economic Analysis**

Business Conditions Digest. Monthly.

Business Statistics. Biennial.

Fixed Nonresidential Business and  
Residential Capital in the United  
States, 1925-75. 1976.

Handbook of Cyclical Indicators.  
1977.

National Income and Product Ac-  
counts of the United States, 1929-  
74: Statistical Tables. 1976.

Survey of Current Business. Monthly.

**Bureau of Industrial Economics**

Construction Review. Monthly.

**Bureau of Labor Statistics**

Consumer Price Index. Monthly.  
(Housing, rent, and home owner-  
ship indexes.)

Employment and Earnings. Monthly.

Employment and Earnings, States  
and Areas. Annual.

Employment and Earnings, United  
States. Annual.

Labor and Material Requirements for  
(selected types of) Construction.  
(Bulletins issued at irregular inter-  
vals.)

Monthly Labor Review.

Rent or Buy? Evaluating Alternatives  
in the Shelter Market. 1979. (Bulle-  
tin No. 2016.)

Union Wages and Benefits: Building  
Trades. Annual with quarterly re-  
leases and summary reports.

**Department of Agriculture, Economics,  
Statistics, and Cooperatives Service**

Farm Real Estate Market Develop-  
ments. Annual with supplements.

Farm Real Estate Taxes. Annual.

Foreign Ownership of U.S. Agricultural  
Land. 1980. (Agricultural Economic  
Report No. 447.)

**Construction, Housing, and Real Estate—  
Con.***U.S. Government—Con.*

Department of Housing and Urban Development  
Housing and Urban Development Trends. Monthly and annual.  
Statistical Yearbook.  
Supply of Mortgage Credit, 1970–1979.

Federal Home Loan Bank Board.  
Annual Report.  
Savings and Home Financing Source Book. Annual.

Veterans Administration  
Loan Guaranty Highlights. Monthly.

*Other*

Dodge, F.W., Division, McGraw-Hill Information Systems Co., New York  
Dodge Construction Potentials. Monthly.

National Association of Realtors, Washington, D.C.  
Existing Home Sales. Monthly.

National Bureau of Economic Research, Cambridge, Mass.

Long Swings in Urban Development, by Manuel Gottlieb. 1976. (Urban and Regional Studies 4.) (Columbia University Press, Irvington, N.Y.)

Residential Location and Urban Housing Markets, by Gregory K. Ingram, editor. (Income and Wealth, No. 43. 1978.) (Ballinger Publishing Company, Cambridge, Mass.)

Whitman, Requaardt and Associates, Baltimore

The Handy-Whitman Index of Public Utility Construction Costs. Semiannual.

**Consumer Income and Expenditures—see also Agriculture; Economic Indexes; Investments; and National Income***U.S. Government*

Board of Governors of the Federal Reserve System  
Federal Reserve Bulletin. Monthly.

Bureau of the Census  
Census of Population. Decennial. (1980, most recent.)

Current Population Reports. (Series on Consumer Income, P-60.)

Family (Money) Income 1947–1971: Summarizing Twenty-five Years of a Summary Statistic. (Technical Paper No. 35.)

**Consumer Income and Expenditures—  
Con.***U.S. Government—Con.***Bureau of Economic Analysis**

Local Area Personal Income, 1973–78. Annual personal income by type of income and by major industries, and population and per capita income, for States, counties, BEA economic areas, and standard metropolitan statistical areas. Nine volumes published by the Government Printing Office, Washington, D.C.

Personal Income by States Since 1929. (Supplement to Survey of Current Business.) 1956. Updated and published twice annually—preliminary in the April Survey and final in the August Survey.

Personal Income by States Since 1948. Updated and published quarterly in January, April, July, and October issues of Survey of Current Business.

Survey of Current Business. Monthly.

**Bureau of Labor Statistics****Consumer Expenditure Survey:**

Diary Survey, July 1972–June 1974. 1977. (Bulletin No. 1959.)

Integrated Diary and Interview Survey Data, 1972–1973—Total Expenditures and Income for the United States and Selected Areas. 1978. (Bulletin No. 1999.)

Interview Survey, 1972–73. 1978.

Vol. I: U.S. Tables—Families Classified by Ten Family Characteristics.

Vol. II: Regional Tables—Families Classified by Income for Four Regions.

**Consumer Expenditure Survey Series:**

Diary Survey, July 1973–June 1974. 1976. (Reports 448–1 to 4.)

Interview Survey, 1972–73. 1977. (Reports 455–1 to 5.)

Interview Survey, 1972–73—Annual Expenditures and Sources of Income Cross-Classified by Family Characteristics, 1972 and 1973 Combined. 1978. (Bulletin No. 1985.)

Digest of Selected Pension Plans, 1976–78 edition. 1977.

Handbook of Labor Statistics. Annual.  
Monthly Labor Review.

Three Budgets for a Retired Couple in Urban Areas of the United States. (Bulletin No. 1570–6 and supplements.) Updated in annual press releases; titles vary.

**Consumer Income and Expenditures—**  
Con.*U.S. Government—Con.*

## Bureau of Labor Statistics—Con.

*Three Standards of Living for an Urban Family of Four Persons.* (Bulletin No. 1570-5 and supplements.) Updated in annual press releases; titles vary.

*Internal Revenue Service*

Statistics of Income. (Annual report on Individual Income Tax Returns. Supplemental. Report on Personal Wealth.)

*Other*

Michigan, The University of, Survey Research Center, Ann Arbor

Survey of Consumer Finances. Annual. (Discontinued in 1972.)

Miller, Herman P. (Thomas Y. Crowell, New York)

Rich Man, Poor Man. 1971.

National Bureau of Economic Research, Cambridge, Mass.

The Business Cycle Today, by Victor Zarnowitz. 1972. (General Series 96, Vol. 1.) (University Microfilms, Ann Arbor.)

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National Consumer Finance Association, Washington, D.C.

Finance Facts Yearbook. Annual.

Consumer Prices—*see* Commodity Prices.

Corporations—*see* Business; *and* Manufactures.

Correctional Institutions—*see* Law Enforcement.

Cost of Living—*see* Commodity Prices.

Courts—*see* Law Enforcement.

Crime—*see* Law Enforcement.

Crops—*see* Agriculture.

Deaths—*see* Vital Statistics.

Defense—*see* National Defense.

Divorce—*see* Vital Statistics.

Domestic Trade—*see* Retail and Wholesale Trade.

Drainage—*see* Irrigation.

**Economic Indexes—***see also* Agriculture; Business; Commodity Prices; *and* Manufactures

*U.S. Government*

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly. (Also monthly releases on business and industrial production indexes.)

Bureau of Economic Analysis

Business Conditions Digest. Monthly.

Business Statistics. Biennial.

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Economic Indicators. Monthly.

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The Conference Board Statistical Bulletin. Monthly.

Federal Reserve Banks

Monthly review published by each bank with special reference to its own Federal Reserve district.

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Survey of Consumer Finances. Annual. (Discontinued in 1972.)

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*U.S. Government*

## Bureau of the Census

Census of Population. Decennial.  
(1980, most recent.)

Current Population Reports. (Series  
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Technical Studies, P-23; and Popu-  
lation Estimates, P-25.)

Finances of Public School Systems.  
Annual. (GF No. 10.)

Social Indicators, 1973; 1976.

## Bureau of Indian Affairs

Statistics Concerning Indian Educa-  
tion. Annual.

## Bureau of Labor Statistics

Handbook of Labor Statistics. Annual.  
Monthly Labor Review.

Occupational Manpower and Training  
Needs. 1974. (Bulletin No. 1824.)

Occupational Projections and Training  
Data. 1979. (Bulletin No. 2020.)

Special Labor Force Reports. Irregu-  
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## Department of Education

Annual Report.

Higher Education Prices and Price In-  
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**Education—Con.***U.S. Government—Con.*

Employment and Training Administration  
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Equal Employment Opportunity Commis-  
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*Employment Opportunity in the  
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National Center for Education Statistics

Associate Degrees and Other Formal  
Awards Below the Baccalaureate.  
Annual.

College and University Library Survey.  
Latest, 1977.

The Condition of Education. Annual.

Course Offerings and Enrollments in  
Secondary Schools. Latest, 1972-  
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Digest of Education Statistics. Annual.

Earned Degrees Conferred. Annual.

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Financial Statistics of Institutions of  
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Students Enrolled for Advanced De-  
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Survey of Public Libraries. Latest,  
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  - Academic Science: Graduate Enrollment. Annual.
  - Academic Science: R&D Funds. Annual.
  - Academic Science: Scientists and Engineers. Annual.
  - Federal Support to Universities, Colleges, and Selected Nonprofit Institutions. Annual.
  - Graduate Science Education: Student Support and Postdoctorals. Annual.
  - Projections of Degrees and Enrollment in Science and Engineering Fields to 1985. (NSF 76-301.)
  - Projections of Science and Engineering Doctorate Supply and Utilization, 1982 and 1987. (NSF 79-303.)
  - Science Resources Studies Highlights.
  - Decline in Recent Science and Engineering Doctoral Faculty Continues Into 1978. (NSF 79-301.)
  - Hiring of Science and Engineering Faculty by 2- and 4-Year Colleges. (NSF 78-309.)
  - Stock of Science and Engineering Master's Degree-Holders in the United States.

*Office for Civil Rights*

- Directory of Elementary and Secondary School Districts, and Schools in Selected Districts: School Year 1976-1977. Vol. I, Alabama-Montana; Vol. II, Nebraska-Wyoming.
- Directory of Public Elementary and Secondary Schools in Selected Districts—Enrollment and Staff by Racial-Ethnic Group. (Fall 1972, most recent.)
- Racial and Ethnic Enrollment Data From Institutions of Higher Education. Fall 1974.
- Racial, Ethnic and Sex Enrollment Data, From Institutions of Higher Education. Fall 1978.

*Other*

- American Council on Education, Washington, D.C.
  - A Fact Book on Higher Education. Quarterly.
- National Norms for Entering College Freshmen. Annual.
- Bowker (R.R.) Company, New York.
  - American Library Directory. Annual.
  - The Bowker Annual of Library and Book Trade Information.
  - Educational Media Yearbook. Annual.

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- National Bureau of Economic Research, Cambridge, Mass.
  - Education as an Industry, by Joseph N. Froomkin, Dean T. Jamison, and Roy Radner, editors. (NBER, No. 28.) (Ballinger Publishing Co., Cambridge, Mass.)
  - Education, Income, and Human Behavior, by F. Thomas Juster. 1974. (Other Conference 9.) (McGraw Hill Book Co., New York.)
  - The Effect of Education on the Efficiency in Consumption, by Robert Michael. 1972. (Occasional Paper 116.) (Columbia University Press, Irvington, N.Y.)
  - Schooling, Experience, and Earnings, by Jacob Mincer. 1974. (Human Behavior and Social Institutions 2.) (Columbia University Press, Irvington, N.Y.)
- National Catholic Educational Association, Washington, D.C.
  - Catholic Schools in America. Annual (beginning in 1975).
  - U.S. Catholic Schools. 1973-74, latest.
- National Education Association, Washington, D.C.
  - Estimates of School Statistics. Annual.
  - Rankings of the States. Annual.
  - Status of the American Public School Teacher, 1975-76. Quinquennial.
  - Summary of Salaries Paid in Higher Education. Biennial.
  - Teacher Supply and Demand in Public Schools, 1978, with Population Trends and Their Implications for Schools. 1979. Annual.

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- Bureau of the Census
  - Congressional District Computer Profiles for the 93d Congress. 1972. A series of separate State reports.
  - Congressional District Data:
    - Districts of the 93d Congress. 1973.
    - Districts of the 94th Congress. Reports for California, New York, and Texas. 1974.
  - Current Population Reports. (Series on Population Characteristics, P-20; P-23, No. 74, Registration and Voting in Nov. 1976—Jurisdictions Covered by Voting Rights Act Amendments of 1975 (one-time

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## Bureau of the Census—Con.

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## Commission on Civil Rights

The Voting Rights Act: Ten Years After. 1975.

## Congress. Clerk of the House

Statistics of the Presidential and Congressional Election Years. Biennial.

Congress. Joint Committee on Printing  
Congressional Directory. Biennial.*Other*

## Council of State Governments, Lexington, Ky.

The Book of the States and its Supplement I, State Elective Officials and the Legislatures. Biennial.

State Legislative Leaders, Committees, and Staff. Annual.

## Elections Research Center, Washington, D.C.

America Votes. A handbook of contemporary American election statistics, compiled and edited by Richard M. Scammon and Alice V. McGillivray. Biennial.

## Joint Center for Political Studies, Washington, D.C.

National Roster of Black Elected Officials. Annual.

## Michigan, The University of, Center for Political Studies, Institute for Social Research, Ann Arbor

Who Voted and for Whom. Biennial.

## Newspaper Enterprise Association, Inc., New York

The World Almanac. Annual.

## Voter Education Project, Inc., Atlanta, Ga.

Voter Registration in the South. Issued irregularly.

Electrical Industries—*see* Energy.

Emigration—*see* Immigration.

Employment—*see* Federal Government; Labor; and State and Local Government.

**Energy—*see also* Communications; Manufactures; Minerals; and Transportation***U.S. Government*

## Bureau of the Census

Current Industrial Reports. Monthly, quarterly, and annual series on various industries.

## Bureau of the Census and Bureau of Mines

Raw Materials in the United States Economy: 1900-1977. (Issued 1980. Working Paper No. 47.)

## Bureau of Labor Statistics

Retail Prices and Indexes of Fuels and Utilities. Monthly.

## Bureau of Mines

United States Energy Through the Year 2000 (revised). December 1975.

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## Congress. Committee on Science and Astronautics

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## Congress. Joint Committee on Atomic Energy

Understanding the National Energy Dilemma. 1973. (93d Congress, 1st Session.)

## Congress. Joint Economic Committee

Energy Conservation. 1973. (93d Congress, 1st Session.)

The Energy Outlook for the 1980's. 1973. (93d Congress, 1st Session.)

## Department of the Interior

Energy Perspectives. February 1975. June 1976.

## Energy Information Administration

All-Electric Homes: Annual Bills. Annual.

Annual Report to Congress

Annual Report of Cost and Quality of Fuels of Steam-Electric Plant.

Electric Power Disturbances. Quarterly.

Electric Power Monthly Production of energy and capacity of plants, fuel consumption of electric power plants, electric utility system loads, sales of electric energy, financial statistics of private utilities.

**Energy—Con.***U.S. Government—Con.***Energy Information Administration—Con.**

Gas Turbine Electric Plant Construction Costs and Annual Production Expenses. Annual.

Hydroelectric Plant Construction Cost and Annual Production Expenses. Annual.

International Petroleum. Annual.

Monthly Comparison of Peak Demand and Energy for Load. Annual.

Monthly Energy Review.

Monthly Report on Electric Energy and Peak Load Data.

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Residential Electric Bills in Major Cities—500 kWh. Quarterly.

Single-Family Households: Fuel Oil Inventories and Expenditures. 1980.

Six-Year Summary of Power Production and Generating Capacity Data. 1978.

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Statistics for Interstate Natural Gas Pipeline Companies. Annual.

Statistics of Privately Owned Electric Utilities in the United States. Annual.

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Steam-Electric Plant—Air and Water Quality Control Data. Annual.

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Annual Statistical Report—Rural Electrification Borrowers.

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*Other*

American Gas Association, Arlington, Va.

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Quarterly Report of Gas Industry Operations.

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The Basic Petroleum Data Book.  
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McGraw-Hill, Inc., New York

McGraw-Hill Directory of Electric Utilities. Annual.

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Alternative for Growth: The Engineering and Economics of Natural Resource Development, Harvey McMains and Lyle Wilcox, editors. (Other Conferences No. 12. 1978.) (Ballinger Publishing Co., Cambridge, Mass.)

National Coal Association, Washington, D.C.

Steam-Electric Plant Factors. Annual.

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The Handy-Whitman Index of Public Utility Construction Costs. Semiannual.

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Council on Environmental Quality  
Environmental Quality. Annual.  
Environmental Statistics. 1978.

Environmental Protection Agency  
Air Quality Data. Annual.

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Federal Certification Test Results for Motor Vehicles. Annual.

Municipal Water Facilities Inventory. Quinquennial.

National Air Monitoring Program: Air Quality and Emission Trends Annual Report, Vols. I and II. (Data for 1969–71.) 1974.

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Pesticides Monitoring Journal. Quarterly.

Radiation Data and Reports. Monthly.

Sewage Facility Construction. Annual.

Statistical Summary (Year) Inventory of Municipal Waste Facilities. Quinquennial.

Summary of Water Enforcement Actions Pursued by EPA since December 3, 1970. (Updated continuously.)

**Federal Water Quality Administration**

Clean Waters for the 1970's. June 1970.

**Geological Survey**

Estimated Use of Water in the United States in 1975. (Geological Survey Circular 765.)

Executions—*see* Law Enforcement.Exports—*see* Foreign Commerce.Family Characteristics—*see* Population.Farms and Farm Characteristics—*see* Agriculture.**Federal Government Finances and Employment—*see also* Elections; Scientific Resources; and State and Local Government***U.S. Government*

Board of Governors of the Federal Reserve System

Federal Reserve Bulletin. Monthly.

Bureau of Economic Analysis

Business Statistics. Biennial.

Survey of Current Business. Monthly.

Congress. House Committee on Government Operations

Federal Real and Personal Property Inventory Report. Biennial.

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Congress. Joint Economic Committee

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Council of Economic Advisers

Economic Indicators. Monthly.

Economic Report of the President. Annual.

Council on Environmental Quality

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Department of Labor

Annual Report of the Secretary.

Department of the Treasury

Daily Treasury Statement.

Federal Aid to States. Annual.

Monthly Statement of the Public Debt of the United States.

Monthly Treasury Statement of Receipts and Outlays of the United States Government.

Statistical Appendix to Annual Report of the Secretary of the Treasury on the State of the Finances.

Treasury Bulletin. Monthly.

Treasury Combined Statement of Receipts, Expenditures and Balances of the United States Government. Annual.

**Internal Revenue Service**

Annual Report of the Commissioner.

Small Area Data from Individual Income Tax Returns. Biennial.

Statistics of Income (Annual reports on Individual, Corporation, and Business Income Tax Returns, Periodic reports on Fiduciary Income, Estate, and Gift Tax Returns, and on Foreign Income and Tax Reported on U.S. Corporation Tax Returns).

**National Science Foundation**

Federal Funds for Research and Development. (Includes geographic distribution and funding by function.) Annual.

Federal Scientific, Technical, and Health Personnel. Periodic.

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The Budget of the United States Government.

The Budget of the United States Government, Appendix.

Special Analyses, Budget of the United States Government.

The United States Budget in Brief.

## Office of Personnel Management (formerly Civil Service Commission)

Annual Report.

Civil Service Journal. Quarterly.

Equal Employment Opportunity Statistics. Annual.

Federal Civilian Employment in the United States by Geographic Area. Annual.

Monthly Release of Federal Civilian Work Force Statistics.

Occupations of Federal Blue-Collar Workers. Annual.

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Pay Structure of the Federal Civil Service. Annual.

Report on Civil Service Retirement, Federal Employees Group Life Insurance, Federal Employees Health Benefits, Retired Federal Employees Health Benefits. Annual.

*Other*

Moody's Investors Service, New York

Moody's Municipal and Government Manual; American and Foreign. Annual with semiweekly supplements.

National Bureau of Economic Research, Cambridge, Mass.

Conference on Research in Taxation, Michael Boskin, editor. Published as Supplement to Journal of Political Economy. April 1978. (Vol. 86, part 2)

Substituting a Value-Added Tax for the Corporate Income Tax, by S.P. Dresch, An-loh Linn, and D.K. Stout. (Fiscal Studies Series No. 15.) (Ballinger Publishing Co., Cambridge, Mass.)

Tax Foundation, Inc., New York

Facts and Figures on Government Finance.

Finance—*see* Federal Government; Investments; Money; and State and Local Government.

**Fisheries***U.S. Government*

National Oceanic and Atmospheric Administration

Fisheries of the United States. Annual.

Fishery Statistics of the United States. (Statistical Digest.) Annual.

**Food—*see also* Agriculture***U.S. Government*

Bureau of the Census

Canned Food Report. (Issued five times a year.)

Department of Agriculture, Economics, Statistics, and Cooperatives Service  
Agricultural Outlook. Monthly.

Developments in Marketing Spreads for Agricultural Products in 1977. (Agricultural Economics Report No. 398.) Revised annually.

Food and Fiber System and How It Works. March 1975. (Agricultural Information Bulletin 383.)

Food Consumption, Prices, and Expenditures. (Agricultural Economics Report No. 138.) Supplemented annually.

National Food Review. Quarterly.

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National School Lunch Program. Annual.

Department of Agriculture, Science and Education Administration.

Family Economics Review. Quarterly.

*Other*

American Frozen Food Institute, Washington, D.C.

Frozen Food Pack Statistics. Annual.

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**Foreign Commerce—*see also* Economic Indexes; and International Accounts and Aid**

*U.S. Government*

Army, Corp of Engineers

Waterborne Commerce of the United States (in five parts). Annual.

**Foreign Commerce—Con.***U.S. Government—Con.***Bureau of the Census**

Highlights of U.S. Export and Import Trade. Monthly and cumulative. (FT 990.)

Survey of the Origin of Exports of Manufacturing Establishments. Triennial. (Current Industrial Reports M76(AS)-8.)

U.S. Airborne Exports and General Imports. (Summary Report.) Monthly and annual. (FT 986.)

U.S. Commodity Exports and Imports as Related to Output. Annual. (Series ES 2.)

U.S. Exports, Commodity Groupings by World Area. Annual. (FT 450.)

U.S. Exports of Domestic Merchandise, SIC-Based Products by World Area. Annual. (FT 610.)

U.S. Exports, Schedule E Commodity by Country. Monthly, cumulative. (FT 410.)

U.S. Exports, World Area by Commodity Groupings. Annual. (FT 455.)

U.S. General Imports, Schedule A Commodity by Country. Monthly, cumulative. (FT 135.)

U.S. General Imports, Schedule A Commodity Groupings by World Area. Annual. (FT 150.)

U.S. General Imports, World Area by Commodity Groupings. Annual. (FT 155.)

U.S. Gold Movements. Monthly and cumulative, beginning July 1969. (FT 2402. Discontinued after December 1974; data published in Report FT 990 beginning January 1975.)

U.S. Imports for Consumption and General Imports, SIC-Based Products by World Area. Annual. (FT 210.)

U.S. Imports for Consumption and General Imports, TSUSA Commodity by Country of Origin. Annual. (FT 246.)

U.S. Trade with Puerto Rico and U.S. Possessions. Monthly and annual. (FT 800.)

U.S. Waterborne Exports and General Imports. Monthly and annual. (FT 985.)

**Bureau of Economic Analysis**

Business Statistics. Biennial.

Survey of Current Business. Monthly. (June issue contains detailed data on merchandise trade.)

U.S. Merchandise Trade: Exports and Imports, 1965-76. Classified by

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BEA End-Use Commodity Categories. 1978.

**Bureau of International Commerce**

Overseas Business Reports. Irregular.

**Department of Agriculture, Economics, Statistics, and Cooperatives Service**

Foreign Agricultural Trade of the United States (FATUS). Monthly with annual supplements on calendar year and fiscal year trade statistics.

Indices of Food and Agricultural Production for Western Hemisphere excluding the United States and Cuba, Asia and Oceania, Africa and the Near East, and Europe and the USSR. Annual.

U.S. Agricultural Exports Under Public Law 480. Annual.

**Department of Agriculture, Foreign Agricultural Service.**

World Agricultural Production and Trade, Statistical Report. Monthly.

**Department of Commerce**

Commerce America. Biweekly. (Issues in March, June, September, and December contain quarterly data on U.S. share of world exports of manufactures.)

Export Administration Report, East-West Trade: Quarterly Report to the President, Senate, and House of Representatives.

**Department of the Treasury**

Statistical Appendix to Annual Report of the Secretary of the Treasury on the State of the Finances.

**Industry and Trade Administration**

International Economic Indicators. Quarterly.

Market Share Reports. Annual.

Overseas Business Reports. Irregular.

**International Trade Commission**

Annual Report.

**Maritime Administration**

Annual Report.

*Other*

Commodity Research Bureau, New York  
Commodity Yearbook. Annual.

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National Bureau of Economic Research, Cambridge, Mass.

Foreign Dollar Balances and the International Role of the Dollar, by Raymond F. Mikesell and J. Herbert Furth. 1974. (Studies in International Economic Relations 8.) (Columbia University Press, Irvington, N.Y.)

Foreign Trade Regimes and Economic Development: Liberalization Attempts and Consequences, by Anne O. Krueger. 1978. (Ballinger Publishing Co., Cambridge, Mass.)

International Mobility and Movement of Capital, by Fritz Machlup. 1972. (Universities-National Bureau Conference Series, No. 24.) (Columbia University Press, Irvington, N.Y.)

**Forests and Lumber—see also Economic Indexes***U.S. Government***Bureau of the Census**

Census of Manufactures. Quinquennial. (1977, most recent.)

Current Industrial Reports. Monthly, quarterly, and annual series on various industries.

Bureau of Industrial Economics  
Construction Review. Monthly.

**Bureau of Labor Statistics**

Monthly Labor Review.

Department of Agriculture, Economics, Statistics, and Cooperatives Service

Agricultural Statistics. Annual.

Naval Stores. Monthly and annual.

**Forest Service**

An Analysis of the Timber Situation in the United States, 1952-2030.

Forest Statistics of the U.S., 1977. 1978.

National Forest System. Annual.

U.S. Timber Production, Trade, Consumption, and Price Statistics, 1950-79. Annual.

Wildfire Statistics. Annual.

**National Forest Reservation Commission**

Annual Report. (Issued in the Senate Documents Series.)

*Other*

American Paper Institute, New York  
Statistics of Paper and Paperboard. Annual; title varies.

**Forests and Lumber—Con.***Other—Con.*

American Paper Institute, New York—Con.

Wood Pulp Statistics. Annual.

National Forest Products Association, Washington, D.C.

Fingertip Facts and Figures. Monthly.

Gas Utilities—see Energy.

**Geography—see also Environment and Public Lands***U.S. Government***Bureau of the Census**

Boundary and Annexation Survey, 1970-1977. GE 30-3: Statistics on boundary change information for incorporated municipalities of 2,500 or more population. Information also on new incorporations, disincorporations, and other important status changes.

Census of Population. Decennial. (1980, most recent.)

United States Maps, Series GE-50 and GE-70—Statistical maps in color showing standard metropolitan statistical areas, congressional districts, and the geographic distribution of population, housing, income, age, race, and other demographic characteristics.

**Geological Survey**

Elevations and Distances in the United States. 1980.

Estimated Use of Water in the United States in 1975. 1977. (Geological Survey Circular 765.)

Principal Lakes of the United States. Latest, 1973. (Geological Survey Circular 476.)

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Guam—see Outlying Areas.

Health Insurance—see Insurance.

**Health and Medical Care—see also Accidents; Environment; Food; Insurance; Social Insurance; and Vital Statistics**

*U.S. Government***Bureau of the Census**

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**Bureau of Labor Statistics**

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Separate bulletins published annually for selected industries.

**Monthly Labor Review.**

Three Budgets for a Retired Couple in Urban Areas of the United States. (Bulletin No. 1570-6 and supplements.) Updated in annual press releases; titles vary.

Three Standards of Living for an Urban Family of Four Persons. (Bulletin No. 1570-5 and supplements.) Updated in annual press releases; titles vary.

**Center for Disease Control**

Morbidity and Mortality Weekly Report. (DHEW Pub. Nos. CDC 78-8017, 79-8017.)

Reported Morbidity and Mortality in the United States. Morbidity and Mortality Weekly Report (annual supplement), 1978. (DHEW Pub. No. CDC 79-8241.)

**Department of Agriculture, Food and Nutrition Service**

National School Lunch Program. *Annual.*

**Department of Health and Human Services****Annual Report.**

Fluoridation Census. 1971, 1972, 1975.

Hill-Burton Program; Progress Report. *Annual.* (Hospital and medical facilities series reports. Analyses.)

Outpatient Psychiatric Clinics. Special statistical reports. *Annual.*

Reported Tuberculosis Data. *Biennial.*

Tuberculosis Beds in Hospitals and Sanatoria, Index of Beds Available. *Biennial.*

**Drug Enforcement Administration**

Drug Abuse and Law Enforcement Statistics. *Irregular.*

**Health Care Financing Administration**

Health Care Financing Notes. Brief analyses of health research findings.

Health Care Financing Program Statistics. Medicare and Medicaid data.

Health Care Financing Research Projects. Reports of major research projects.

Health Care Financing Review. Quarterly journal prepared by the Office of Research, Demonstrations and Statistics.

**Health and Medical Care—Con.***U.S. Government—Con.***Health Care Financing Administration—Con.**

Health Care Financing Trends. National expenditures, utilization, and prices.

Medicare: Health Insurance for the Aged and Disabled, Selected State Data, 1973-1977. (Health Care Financing Program Statistics.)

**National Center for Health Statistics**

Current Estimates from the Health Interview Survey. *Annual.*

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Insurance.

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In most cases, separate reports of the most recent censuses are available for each State, subject, industry, etc. Complete information on publications of all the censuses and current surveys conducted by the Bureau of the Census appears in the *Bureau of the Census Catalog*, published annually and available from the Superintendent of Documents.

## Guide to State Statistical Abstracts

This bibliography includes the most recent statistical abstracts for States and Puerto Rico published since 1971 plus those that will be issued in late 1980 or early 1981. For some States, a near equivalent has been listed in substitution for, or in addition to, a statistical abstract. All sources contain statistical tables on a variety of subjects for the State as a whole, its component parts, or both. The page counts given for publications cited as "In process" are approximate.

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# Index

A	Page		Page
Abortions.....	80, 69-71	Agriculture, forestry, and fisheries—Continued	
Abrasives.....	756-758	World summary.....	895
Absent without authority (military personnel).....	378	Aid to families with dependent children.....	354, 356, 358
Accident and health insurance.....	551	Air conditioning:	
Accidents and fatalities.....	82, 124	Exports.....	880
Aircraft.....	82, 669, 671	Homes with.....	796
Catastrophic, by type.....	82	Mechanics and repairs.....	420
Deaths and death rates.....	78, 79, 81, 82	Shipments and retail value.....	832, 835
Drownings.....	78	Air Forces:	
Falls.....	78	Aircraft on hand.....	374
Industrial.....	82, 434, 761	Personnel.....	375-377, 379, 380
Motor vehicle.....	78, 124, 646, 647	Desertion and AWA rates.....	378
Motorcycle.....	646	National Guard.....	380
Police officers killed.....	189	Reserve costs.....	380
Railroad.....	660, 664	Reserve Officers Training Corps.....	379
Tanker casualties.....	880	Air Force, Department of:	
Transportation.....	82, 641	Employment, civilian.....	281
Accountants and auditors:		Retirees.....	282
Civilian labor force.....	418	Expenditures.....	368
Degrees conferred, accounting.....	175	Procurement actions, net value.....	372
Salary offers.....	170	Property, real and personnel.....	372
Federal employees.....	284	Research and development.....	625
Private industry, salaries.....	424	Air pollution.....	214-217
Acids; production.....	827	Expenditures for abatement, by industry.....	216
Acquisition of territory by the U.S.....	207, 208, 237, 238	Air transportation (See also Aircraft):	
Acreage. See Farms and Land.		Accidents.....	641
ACTION.....	142, 866	Advertising expenditures.....	599
Admission to statehood.....	209	Civil aviation.....	669, 671
Adoptions.....	361	Employees.....	420, 640, 669, 671
Advertising:		Foreign countries.....	672, 920, 921
Expenditures.....	597-599, 758	Revenues and expenses.....	636, 666, 668, 670, 672
Industry, summary.....	852	Federal outlays.....	639
Newspapers and magazines.....	599	Government expenditures.....	290
Help-wanted advertising.....	405	Hijacking incidents.....	669
Newspapers and periodicals.....	593	National income, origin in.....	444
Newsprint consumption.....	592	Public expenditures.....	293
Television.....	598	Scheduled air carrier operations.....	669-671
Aeronautical radio stations.....	586, 669	Shipments, foreign trade.....	673, 675
Aeronautics, civil. See Air transportation.		Supplemental air carriers.....	669, 672
Aerospace products, space vehicle systems.....	634	Traffic carried.....	253, 666, 669-671
Afghanistan. See Foreign countries.		Aircraft:	
AFL-CIO.....	428-430	Accident deaths.....	82
Africa. See Foreign countries.		Civil.....	669-671
Age of population. See Population.		Revenues and expenditures.....	668
Agency for International Development.....	870, 871	Communication (radio).....	586
Agents. See Brokers, dealers, and agents.		Engines and parts.....	673
Agricultural implements and machinery.....	707	Foreign trade.....	674, 678, 680, 681
Foreign trade.....	763, 878, 880, 881	Horsepower.....	602
Manufacture.....	818, 819	Manufacture.....	818, 819
Corporation sales, profits, and dividends.....	570	Employees.....	413, 673, 818, 819
Employees.....	413, 818, 819	Scientists and engineers.....	629
Expenditures for new plant and equipment.....	819	Expenditures for new plant and equipment.....	819
Shipments.....	830, 832	Profits and assets.....	570
Accounted for by largest companies.....	822	Research and development, expenditures.....	626
Price indexes.....	481, 754	Sales and orders.....	670, 673
Agricultural loans. See Farm mortgage loans.		Shipments.....	673, 821, 830
Agricultural products. See Farms and individual products.		Military.....	374
Agricultural sciences:		Operating expenses.....	666, 672
Degrees conferred.....	175, 632	Value of shipments.....	894
Employment.....	630	Airmail service.....	581, 582, 670
School enrollment for advanced degrees.....	832	Airports or airfields.....	239, 669, 670
Agricultural services, by type.....	689	Airport Development Aid Program.....	294, 670
Agriculture (see also Farms and Farmers and farm-workers):		City expenditures.....	312
Aid to foreign countries (Public Law 480).....	712	Federal outlays.....	639
Balance sheet of the farming sector.....	697	Alabama. See State data.	
Employees.....	401, 406, 420, 708	Alaska. See State data.	
Federal expenditures.....	261, 262, 294	Alaska Purchase.....	207, 208, 237
Revenue losses due to Federal tax laws.....	266	Albania. See Foreign countries.	
Unemployment.....	410	Alcohol use, by age group.....	129
Vocational training program.....	176	Alcoholic beverages. See Liquors and beverages.	
Agriculture, forestry, and fisheries (see also Individual industries):		Alewives, catch.....	746
Corporations, partnerships, and proprietorships.....	555, 557	Algeria. See Foreign countries.	
Employees.....	406	Aliens. See Immigration and Foreign countries.	
Injury rates.....	433	Alkalies and chlorine, value of shipments.....	826
Gross product, current and constant dollars.....	441	Altitudes, geographical.....	211
Income and profits.....	557, 573	Aluminum and manufactures, foreign trade.....	754, 763, 777
National income, origin in.....	444		880, 881
		Imports as percent of consumption.....	764
		Mill products, shipments.....	631
		Output per hour.....	417
		Prices.....	754, 777
		Export.....	484
		Production and value.....	750, 762, 777

	Page		Page
Aluminum compounds, production .....	827	Apricots, canned .....	724
American Federation of Labor (AFL) .....	428-430	Architecture:	
American Red Cross .....	363	Degrees conferred .....	175
American Revolution, cost .....	370	Area of:	
American Samoa. <i>See</i> Outlying areas of U.S.		Foreign countries .....	895, 897-899
American Stock Exchange .....	546	Forest land .....	731, 732
American Telephone and Telegraph Co. ....	583, 584	Outlying areas of U.S. ....	9, 207-209, 887
American wars, cost .....	370	Parks .....	234, 242, 244
Ammonia and compounds, production .....	827	United States .....	6, 9, 17, 897
Amusements ( <i>see also</i> Recreation):		Cities .....	24-26
Advertising expenditures .....	599	Lakes .....	212
Employees .....	406, 839	Public domain .....	237, 238
Motion picture theaters .....	245, 246, 851	Rural .....	17
National income, origin in .....	838	Standard metropolitan statistical areas ..	17
Performing arts .....	250	States .....	209
Receipts .....	851, 852	Territorial expansion .....	207, 208
Anchovies, imports .....	749	Urban .....	17
Anesthesiologists .....	111	Water .....	6, 209, 210
Angola. <i>See</i> Foreign countries.		World .....	897-899
Animal husbandry services .....	689	Argentina. <i>See</i> Foreign countries.	
Animal oils and fats. <i>See</i> Oils, animal.		Argon (refined), production .....	827
Animal products ( <i>see also</i> individual products):		Arizona. <i>See</i> State data.	
Consumption .....	131, 725	Arkansas. <i>See</i> State data.	
Farm income .....	699, 702, 703	Armed Forces .....	375, 376
Farm output and marketing indexes .....	709	Population abroad .....	9
Foreign trade .....	711, 725, 881	Army:	
Producer price indexes .....	481	Personnel .....	375-377, 379, 380
Production .....	725, 727	Desertion and AWA rates .....	378
Animal science, degrees conferred .....	175	National Guard .....	380
Animals, domestic ( <i>see also</i> individual classes):		Reserve costs .....	380
Farm income and expenditures for .....	699, 702	Reserve Officers Training Corps .....	379
Farm productivity indexes .....	709, 710	Army, Department of the:	
Foreign trade .....	725, 879, 881	Employment, civilian .....	261
Grazing, national forests .....	731	Retirees .....	282
Inspected and slaughtered .....	725, 726	Expenditures .....	368
Liveweight production .....	726	Military forces .....	374
Number and value, on farms .....	725, 726	Procurement and property .....	372
Prices:		Research and development .....	625
Producer price indexes .....	481	Art works, imports .....	882
Spot market .....	482	Arteriosclerosis, deaths .....	78, 79
Work animals, horsepower of .....	602	Arthritis and rheumatism .....	127
Annuities. <i>See</i> Pensions and retirement benefits.		Artichokes, acreage, production, and value ..	723
Annulments and divorces .....	85	Arts and humanities, Federal aid to .....	249
Anthropology, doctorates conferred .....	632	Asbestos .....	758, 762-764, 881
Antimony, production and supply .....	759, 764	Asia. <i>See</i> Foreign countries.	
Antiques, imports .....	882	Asparagus .....	723, 724
Appalachia, income by State .....	470	Asphalt, production and value .....	758, 766
Apparel and related products:		Wholesale price indexes, roofing, etc .....	785
Advertising expenditures .....	598, 599	Aspirin, users and nonusers .....	130
Budget costs .....	487, 489, 490	Assassinations and assaults, political .....	188
Consumer prices and indexes .....	486, 487, 489	Assault .....	185, 188, 191, 203
U.S. and foreign countries .....	912	Assemblers (farm products), wholesale trade ..	848
Foreign trade .....	880, 882	Assessed property .....	311
Manufacture:		Assets:	
Corporation sales, profits, and dividends ..	570	Banks .....	529, 530, 539
Employees .....	414, 420, 814, 815, 820	Capital .....	275
Capital invested per employee .....	561	Farm production .....	698
Labor unions .....	430	Flow of funds accounts, institutions .....	525, 526
Production workers .....	414, 815	Personal, U.S. and by States .....	469-471, 473
Establishments .....	814	Associations, employee .....	429
Mergers and acquisitions .....	575	Associations, national .....	57
Expenditures for new plant and equipment ..	815	Athletic goods. <i>See</i> Sporting and athletic goods.	
Injuries .....	434	Atomic Energy Commission. <i>See</i> Energy Research	
National income, origin in .....	444	and Development Administration.	
Production .....	825, 826	Atomic energy defense activities, expenditures ..	368
Indexes .....	806	Attorneys ( <i>See also</i> Lawyers and judges), salaries ..	424
Value added .....	814, 815	Austria. <i>See</i> Foreign countries.	
Personal consumption expenditures .....	442	Automobile loans .....	541
Producer price indexes .....	481	Automobile service and repair .....	852, 853
Retail trade:		Employees .....	839, 852
Employees .....	415, 846	Injury rates .....	434
Establishments .....	843, 846	Establishments, payrolls, and employees .....	648
Inventories .....	842	National income, origin in .....	838
Sales .....	836, 840, 841, 843, 846	Receipts .....	852, 853
Wholesale trade .....	848	Automobiles. <i>See</i> Motor vehicles.	
Appeals, U.S. Court of .....	196	Automotive products. <i>See</i> Motor vehicles, tires and	
Apples:		tubes, etc.	
Canned .....	724		
Consumption .....	131		
Production and value .....	723		
Applesauce, canned ( <i>see also</i> Electric machinery	724		
and Housefurnishings):			
Homes with .....	796		
Manufacture:			
Employees .....	413, 818, 819		
Expenditures for new plant and equipment ..	819		
Shipments and value .....	833, 835		
Value added .....	818, 819		
Retail trade .....	840, 843, 846		
Apportionment, House of Representatives .....	505		

## B

Bacon .....	881
Bahamas. <i>See</i> Foreign countries.	
Bahrain. <i>See</i> Foreign countries.	
Bakery products ( <i>see also</i> Cereal and bakery products):	
Manufacture .....	814, 815
Employees .....	414, 420, 814, 815

	Page		Page
Bakery products—Continued		Bhutan, area and population	897
Expenditures for new plant and equipment	815	Bicarbonates and carbonates, production	827
Output per hour	417	Bicycles:	
Shipments accounted for by largest companies	821	Bicycle riding for exercise	125, 245
Balance sheet, corporate business	568	Imports and shipments	246
Balance sheet of the farming sector	697	Manufacture, summary	818, 819
Bananas	881, 892	Billard, pool parlors	842
Bangladesh. <i>See</i> Foreign countries.		Bills vetoed, congressional	509
Bank tellers and cashiers	419	Bingo	248
Bankruptcies filed and pending	577	Biochemistry, degrees conferred	632
Banks ( <i>see also</i> Finance, insurance, and real estate):		Biological sciences:	
Assets and liabilities	531, 533, 535	Degrees conferred	175, 632
Balance sheet	529, 533	Employment	284, 630
Capital accounts	533, 535	School enrollment for advanced degrees	170, 632
Consumer credit	540, 541	Birth control, methods used	68
Demand deposits	533-535, 543	Births and birth rates	58, 61-66
Debits to deposit turnover	542	Births to single women	66
Equity capital	535	Components of population change	5, 7, 26, 886
Federal credit agencies	537	Expectations	65
Federal Reserve Banks	522, 529-531, 542, 544	First births	67
Reserves	530	Foreign countries	801, 902
U.S. securities held	278	Outlying areas of U.S.	888
Flow of funds	525-527, 529	Race	64
Foreign lending	531	States	13, 63, 64
Holding companies	531	Unwanted births	68
Insured banks	531, 544	Black lung benefit program	344
Loans	533, 535, 541, 544	Black population ( <i>see also</i> Minority races)	18, 28
Mortgage debt	539, 540	Abortions	69, 71
Mutual savings banks	526, 527, 529, 537, 540	Age and/or sex	28, 29, 33, 34
National banks	531	Aid to families with dependent children	358
National income, origin in	442	Armed Forces	376
Noninsured banks	531, 533	Arrests	190, 191
Offices	531, 533	Birth control, methods used	68
State banks	532	Births and birth rates	62, 64-66
Structure (mergers, acquisitions, suspensions)	531, 532	Expectations	65
Time (or savings) deposits	449, 533-535, 543, 544	First births	67
Bank and trust companies	415	Businesses owned by	558
Barbados. <i>See</i> Foreign countries.		Children under 18	48, 52
Barber and cosmetology schools	176	Components of change	26
Barber shops	852	Crime victims	185
Barite	756-758, 762	Deaths and death rates	73, 75, 77, 81
Barium	764	Disabled adults	345
Barley	702, 895	Elected officials	514
Basalt, sales	772	Employment status	396
Baseball	244, 248	High school graduates and dropouts	164
Basketball, professional	248	Part time	407
Bathing beaches	244	Farmworkers	420, 708
Batteries:		Federal employees, by pay category	284
Retail trade (tire, battery, accessories)	840, 841	Fertility	67, 68
Shipments, value	833	Homicides	45, 46, 48, 51
Battlefield parks and sites, national	242	Households, characteristics	452, 454, 458, 460
Bauxite, summary	777	Income	452, 454, 458, 460
Foreign trade	763, 777, 881	By family characteristics	458
Imports prices (crude)	484	Characteristics, by type of income	463
Mining industry	756, 757	Poverty	463
Production and value	755, 759, 762	Infant deaths	394, 418-420
Production, U.S. as percent of world	750	Labor force	72, 73
Reserves	755	Life expectancy	42, 83-85
Beans:		Marriage and divorce	15, 18, 27
Acreage, production, and value	723	Migration	376
Canned	724	Military personnel	27
Consumption	131	Natural increase	27
Sales under price supports	702	Nutritional intake	132
Beauty shops	852	Occupations	109, 418-421
Hairdressers and cosmetologists	420	Married women	458
Bed coverings, electric, homes with	796	Physicians	418
Beef ( <i>see also</i> Meat and meat products):		Schools and education:	
Consumption	131, 725	Adult education	177
Foreign trade	725	Attainment	136, 148, 149
Prices, import and retail	484, 705	Enrollment	145-148
Local and Chicago markets	726	College	165
Production	725	Preprimary enrollment	147
Beer. <i>See</i> Malt liquors.		Higher education institutions	166, 167
Beets ( <i>see also</i> Sugar beets)	723, 724	High school dropouts	164
Belgium. <i>See</i> Foreign countries.		High school graduates	165
Bell Telephone System	583-585	Standard metropolitan statistical areas	5
Beltting, leather, manufacture, summary	816, 817	States	33, 36, 37
Benin. <i>See</i> Foreign countries.		Suicides	186, 188
Berries	723, 724	Unemployment	407
Beryllium concentrate	759	Urban and rural	37
Beverage factories ( <i>see also</i> Liquors, etc.)	814, 815	Voter registration	514
Employees	414, 814, 815	Voting age	516
Expenditures for new plant and equipment	815	Women receiving child support	359
Beverages, nonalcoholic:		Blankets, electric, homes with	796
Advertising expenditures	598	Blast furnaces. <i>See</i> Iron and steel products.	
Consumption	131	Blenders, electric, homes with	796
Employees	823	Blind persons	123, 345, 354
Foreign trade	879, 882	Medicaid recipients	348
Manufacture, value added by	823	Supplemental security income	358
Producer price indexes	481	Blood donors	363
Shipments accounted for by largest companies	822	Blood pressure	128



	Page
Blouses, women's and misses', production.....	825
Blue-collar workers.....	279, 418, 421
Unemployment rate.....	407
Blueprinting, photocopying services.....	852
Boating, canoeing, etc.....	243, 245
Accidents.....	641
Boats, motors and sales.....	246
Bolivia. <i>See</i> Foreign countries.	
Bolts, nuts, etc. <i>See</i> Iron and steel products.	
Bonds:	
Life insurance companies.....	550
New issues.....	546
Prices, yields, sales, and issues.....	278, 545-547
Public school, elections and sales.....	160
U.S. savings.....	277, 278, 449, 697
Wealthholders.....	471
Book and job printing.....	816, 817
Union wage rates, indexes.....	426
Bookbinding and related industries, summary.....	414, 816, 817
Bookkeepers and billing clerks.....	419
Books, etc.....	594, 595
Imports and English translations.....	596
Printing and publishing industry.....	590, 593
Retail trade.....	846
Sales.....	594, 596
Boots. <i>See</i> Footwear.	
Boron minerals.....	759
Botany, degrees conferred.....	632
Botulism.....	126
Bowling alleys.....	246
Boxes, paper, manufacturers ( <i>see also</i> Containers).....	817
Boxing, professional matches.....	248
Boy Scouts, membership and units.....	362
Braes, artificial limbs, and wheel chairs.....	128
Brazil. <i>See</i> Foreign countries.	
Bread. <i>See</i> Bakery products.	
Breast examinations.....	124
British Honduras. <i>See</i> Foreign countries.	
British Solomon Islands, population and area.....	899
Broadcast systems. <i>See</i> Radio and Television.	
Broadcasting stations, radio and television.....	586-588
Number sold, and value.....	588
Broadway and off-Broadway shows.....	250
Broccoli.....	723
Broilers, production ( <i>see also</i> Poultry).....	728
Brokers, dealers, and agents.....	415, 419
Bank loans.....	533
Uses and sources of funds.....	529
Bromine, production and value.....	758
Bronchitis, emphysema, etc., deaths.....	78
Brussels sprouts, acreage, production, and value.....	723
Budget, Federal:	
Administrative expenditures, national defense.....	368
National income and product accounts.....	259
Outlays.....	259, 368, 367
Receipts, outlays, and debt.....	257, 258, 260-262, 264, 478
Controlled and uncontrolled outlays.....	280
Trust funds.....	262, 263
Budgets, urban family and retired couple.....	490-493
Building construction and trades. <i>See</i> Construction Industry.	
Building materials:	
Cost indexes.....	784
Foreign trade.....	763
Imports.....	882
Producer price indexes.....	480, 481, 735, 785
Retail trade.....	840, 842, 846
Wholesale trade.....	848, 850
Building operations.....	781-787, 798
Building permits.....	784, 786
Buildings. <i>See</i> Construction Industry and Housing and housing units.	
Buildings, Federal.....	238, 239
Burglary.....	185, 186, 189, 201
Burma. <i>See</i> Foreign countries.	
Burundi. <i>See</i> Foreign countries.	
Buses.....	637, 656
Employees, bus drivers.....	420
Exports and sales (trucks and buses).....	650
Factory sales and wholesale value.....	648
Intercity operations.....	640, 657
Registration (trucks and buses).....	648, 649
Scrapped (trucks and buses).....	650
Travel and speed.....	646
Business and commerce, degrees conferred.....	174, 175
College enrollment and salary offers.....	170
Business and repair services ( <i>see also</i> Service industries):	
Employees.....	648, 839, 852

## Business and repair services—Continued

Establishments.....	648, 852, 853
Injuries.....	434
National income, origin in.....	838
Receipts.....	851
Business enterprise ( <i>see also</i> individual types of business and industry):	
Bankruptcies filed.....	577
Capital, fixed nonresidential.....	560, 561
Coincident indicators.....	555, 564
Concerns, number.....	557, 576
Corporate inventory valuation adjustment.....	564, 565
Corporate profits and dividends.....	564, 566
Cycles.....	563
Expenditures:	
Investment, private domestic.....	441
Plant and equipment, new.....	555, 558, 562
Research and development.....	623, 624
Failures and liabilities.....	576, 577
Failures, number.....	576
Financial data.....	556, 557, 559, 562, 564-570, 573, 574
Flow of funds.....	525-529
Foreign-owned firms.....	571
Formations.....	576
Franchised establishments.....	847
Gross domestic product, corporations.....	565
Inventories.....	561, 797, 800, 832, 833, 840
Investment.....	559, 561
Lagging indicators.....	555, 564
Leading indicators.....	555, 564
Loan rates.....	544
Loans to minority-operated small business.....	556
Mergers and acquisitions.....	575
Minority owned firms.....	558
National income, origin in.....	443
Patents.....	572
Profits.....	565, 569, 573
Proprietorships, partnerships, and corporations.....	556, 557
Revenue losses due to Federal tax laws.....	266, 267
Sales.....	562, 569
Women-owned firms.....	558
Business schools.....	176
Butter ( <i>see also</i> Dairy products):	
Consumption.....	131
Manufacture.....	727
Prices, retail.....	705
Butterfat.....	721

## C

Cabbage, acreage, production, and value.....	723
Cabinetmakers.....	419
Cable television.....	589
Cadmium.....	762, 764
Caeteras. <i>See</i> Eating and drinking places.	
Calcium-magnesium chloride.....	758
Calculators, shipments and value.....	835
California. <i>See</i> State data.	
Calisthenics.....	125
Calories consumed per day.....	132
Calves.....	702, 726
Cameras. <i>See</i> Photographic apparatus, etc.	
Cameroon. <i>See</i> Foreign countries.	
Campaigns, fund raising.....	363, 364, 520, 521
Camper (trucks and trailers).....	653
Camping, picknicking, etc.....	243, 245
State parks (camping).....	244
Can openers, electric.....	796
Canada. <i>See</i> Foreign countries.	
Canal Zone. <i>See</i> Outlying areas of U.S.	
Canals, freight carried.....	678
Cancer (malignancies), deaths.....	78-81
Candy and candy stores. <i>See</i> Confectionery.	
Cane sugar. <i>See</i> Sugar.	
Canning and preserving industry:	
Employees.....	414
Output per hour.....	417
Products.....	724, 743, 744, 748, 749
Cantaloups, acreage, production, and value.....	723
Capacity utilization, index.....	807
Cape Verde Islands, population and area.....	899
Capital appropriations, by industry.....	812
Capital assets, sales.....	275
Capital, fixed.....	559-561, 809
Capital expenditures.....	562
Foreign trade.....	873

	Page		Page
Capital expenditures—Continued		Child support payments	359
Manufacturers.....805, 807, 810, 811, 815, 816, 819, 821		Children ( <i>see also</i> Population and Vital statistics):	
Iron and steel industry.....829		Adoptions.....361	
Pollution abatement.....215		Aid, social welfare programs.....332, 333, 354, 356, 358	
Capital punishment.....203, 204		Allens.....100	
Capital stock:		Attending school.....136, 140, 143, 145-148, 153, 154,	
Banks.....533, 537		Below poverty level.....157	
Corporations.....565, 570		Indian children.....155	
Manufacturing.....801, 802		Day care.....360	
Public utility companies.....615		Days lost from school.....123	
Utilities.....583, 615, 617		Exceptional, special educational programs.....140, 362	
Carbon dioxide (natural), production and value.....758, 827		Families with.....48, 50	
Cargo tonnage. <i>See</i> Tonnage.		Low income.....484, 485	
Carpenters.....419, 421		Immigrants.....92	
Carpets and rugs. <i>See</i> Floor coverings.		Immunized against disease.....126	
Carrots.....723, 724		Juvenile delinquency.....199, 201, 203	
Cash registers and computing machines.....832		Mothers receiving child support payments.....359	
Cashew nuts, import prices.....484		Mothers working.....147, 403	
Casinos, gambling.....248		Number per divorce decree.....83	
Castings and shipments.....831		Of unmarried couples.....44	
Casualties, Vietnam conflict.....377		Old-age, survivors, disability, and health insurance	
Catholic schools.....155		benefits.....361	
Cattle:		Orphans.....361	
Farm income.....702		Under 18, by presence of parents.....52	
Farm labor in hours.....710		Chile. <i>See</i> Foreign countries.	
Imports.....882		China. <i>See</i> Foreign countries.	
Liveweight production.....726		Chinese, number in U.S.....37, 38	
Number and value, on farms.....725, 726		Chocolate and cocoa, imports.....882	
Prices.....726		Chrome.....827	
Cauliflower, acreage, production, and value.....723		Chromite.....763	
Celery, acreage, production, and value.....723		Chromium.....764	
Cement, summary.....771		Church affiliated schools.....155	
Foreign trade.....771, 882		Churches:	
Manufacture.....816, 817		Construction value.....781-784	
Employees.....413, 816, 817		Contributions.....57	
Output per hour.....417		Number and membership.....55, 56	
Producer price indexes.....481, 785		Cigarettes:	
Production.....758, 771		Foreign trade.....880	
World.....771, 895, 914, 915		Manufacture.....814, 815	
Center of population.....8		Employees.....414, 814, 815	
Central American Common Market, U.S. trade.....874		Production, number.....824	
Cereal and bakery products, prices.....481, 487		Shipments accounted for by largest companies.....822	
Cereal consumption.....131		Prices.....484	
Cerebrovascular diseases, deaths.....78, 79		Producer prices.....483	
Chad. <i>See</i> Foreign countries.		Smokers and use.....129, 130	
Chain stores, multiunits ( <i>see also</i> Retail trade).....840-843		Stores and stands, retail trade (cigars).....846	
Channel Islands, population and area.....899		Taxes, by States.....305	
Charge accounts, department stores.....841		CIO (Congress of Industrial Organizations) ( <i>See</i> AFL-	
Charitable contributions.....363, 364		CIO).	
Cheese ( <i>see also</i> Dairy products).....131, 727		Circulation of money.....542	
Chemicals and allied products ( <i>see also</i> individual		Circulation of newspapers and periodicals.....591-593	
chemicals):		Foreign countries.....922, 923	
Agricultural, used on farms.....707		Cirrhosis of liver, deaths.....78	
Expenditures:		Cities ( <i>see also</i> Standard metropolitan statistical	
Plant and equipment, new.....562, 817		areas):	
Multinational companies.....572		Area, land.....24-26	
Research and development.....626		Climate.....220-233	
Exports.....813, 878-880		Consumer price indexes.....489	
Foreign trade.....678		Crimes and arrests.....182, 184	
Imports.....878, 879, 881		Debt.....312	
Investments, multinational companies.....571		Employees and payrolls.....324, 325	
Manufacture.....816, 817		Finances of city governments.....312-316	
Capacity utilization rates.....808		Governmental units.....309, 310	
Capital appropriations and expenditures.....812		Housing units, occupied.....792	
Defense-oriented industries.....373		Officials, elected.....512, 514	
Employees.....414, 816, 817, 820		Police and firefighters, salary scales.....16, 194	
Capital invested per.....581		Pollutant standards index.....216	
Injury rates.....434		Population.....18, 19, 24-26	
Scientists and engineers.....629		Change in.....5	
Energy used.....820		Standard metropolitan statistical areas.....21-23	
Mergers and acquisitions.....575		Prices, electricity, coal, and gas.....492	
National income, origin in.....444		Property tax rates.....317	
Production, by kind.....827		Public elementary and secondary schools.....160	
Production indexes.....806		Public transportation.....657	
Profits.....569, 570, 574		Revenue and expenditure.....313	
Railroad car loadings.....663		Stock ownership.....547	
Sales.....569, 570		Telegraph and telephone rates between.....585	
Value added.....816, 817		Citizens:	
Pesticide residue in human tissue.....218		Arrivals and departures.....253	
Value of shipments.....826		Born abroad or at sea.....39	
Producer prices.....481, 483		Naturalized.....99, 100	
Wholesale trade, summary.....848		Citrus fruits.....723, 724	
Chemistry:		Consumption.....131	
Degrees, conferred and salary offers.....170, 175, 632		Civil aviation. <i>See</i> Air transportation.	
Employment.....418, 628, 630		Civil cases and trials.....196, 197	
Private industry, salaries.....424		Civil defense.....368, 372	
Nobel prize laureates.....627		Civil service employees. <i>See</i> Government.	
Cherries.....723, 724		Civil War, cost.....370	
Chicken pox.....126			
Chickens. <i>See</i> Poultry.			

	Page		Page
Civilian population.....	6, 9	Collective bargaining settlements.....	427
Labor force. <i>See</i> Employment and labor force.		Colleges and universities. <i>See</i> Education, higher	
Outlying areas of U.S.....	886	education institutions.	
Claims.....	744-746, 748	Colombia. <i>See</i> Foreign countries.	
Clay products ( <i>see also</i> Stone, clay, and glass prod-		Colorado. <i>See</i> State data.	
ucts industry):		Colombian-tantalum.....	764
Foreign trade.....	881, 882	Commerce:	
Manufacture.....	816, 817	Domestic, by rail.....	663
Employees.....	413, 816, 817	Water.....	675, 676
Mining.....	756-758	Foreign. <i>See</i> Foreign trade.	
Producer price indexes.....	776	Intercoastal.....	675, 676, 679
Cleaning, dyeing, pressing, etc., establishments:		Traffic through Panama Canal.....	678
Employees.....	420, 852	With outlying areas of U.S.....	692
Franchises.....	847	Commerce and transportation, Federal expenditures.....	261, 262
Injury rates.....	434	Revenue losses due to Federal tax laws.....	266
Summary and receipts.....	852	Commercial buildings, construction.....	781-784
Clergymen, pastors with charges.....	55, 56	Commercial printing ( <i>see also</i> Printing and publishing	
Clerical and kindred workers.....	418, 419, 421	industries).....	816, 817
Immigrants.....	87	Shipments accounted for by largest companies.....	821, 822
Married women.....	405	Commodities. <i>See</i> individual types of commodities.	
Median earnings.....	424	Commodity Credit Corporation.....	265, 697, 701
Private industry, salaries.....	424	Commodity futures trading.....	545
Race.....	423	Common Market.....	874, 884
Retail price indexes, food (clerical workers).....	493	Communication equipment, manufacture.....	818, 819
White-collar and blue-collar workers.....	421	Employees.....	413, 818, 819
Climate, selected cities.....	220-233	Scientists and engineers.....	629
Humidity.....	232, 233	Shipments.....	821, 822, 833
Precipitation.....	226-228	Communications, degrees conferred.....	175
Temperature.....	220-225	Communications industry ( <i>see also</i> individual indus-	
Clinics, outpatient psychiatric.....	121, 122	tries):	
Clocks, watches, etc.:		Assets or liabilities.....	567
Foreign trade.....	882	Corporations, partnerships, and proprietorships.....	556, 557
Manufacture.....	818, 819	Employees.....	415
Employees.....	414, 818, 819	Expenditures for new plant and equipment.....	562
Shipments and value.....	835	Foreign countries.....	922, 923
Cloth. <i>See</i> Textile industry and Textiles.		Gross product, current and constant dollars.....	441
Clothing. <i>See</i> Apparel.		Income and profits.....	557, 573
Coal ( <i>see also</i> Petroleum and coal products and		National income, origin in.....	444
coke):		Radio and television, finances.....	587
Car loadings.....	661, 663	Receipts.....	567
Consumption.....	603-606, 765, 770	Wage and salary disbursements.....	445
Electric utilities.....	765, 770	Communist areas ( <i>see also</i> Foreign countries):	
Railroads.....	661	Military.....	367, 912-915
Energy source.....	602-604	U.S. trade with.....	874, 876, 884
Foreign countries.....	916, 917	Community development and housing:	
Foreign trade.....	608, 770, 878, 879	Federal aid to State and local government.....	294
Mines.....	756, 757, 770	Federal budget receipts and outlays.....	261, 262
Employees.....	413, 756, 757, 761, 770	Revenue losses due to Federal tax laws.....	286
Benefits.....	334	Comoro Islands, population and area.....	897
Hours and earnings.....	761	Compositors and typesetters.....	420
Output per hour.....	417	Computer science:	
Injuries.....	761	Degrees conferred.....	175
National income, origin in.....	752	Employment.....	628
Prices.....	607, 754	Computing machines.....	832
Export.....	484	Concerts, symphony orchestras.....	250
Producer.....	481, 483	Concrete and plaster products:	
Production and value.....	603, 606, 750, 753, 758, 762, 770	Import prices.....	484
Foreign.....	606, 895, 916, 917	Manufacture, summary.....	816, 817
Indexes of production.....	752	Employees.....	413, 816, 817
Public land leases.....	241	Output per hour.....	417
Coal-tar products, foreign trade.....	879	Producer price indexes.....	482, 785
Coast Guard personnel.....	376, 377	Condensed and evaporated milk.....	131, 727
Coastal population.....	8	Confectionery:	
Income in coastal counties.....	451	Advertising expenditures.....	598
Coastlines, measurement of.....	210	Manufacture.....	814, 815
Coastwise traffic.....	675, 676, 679	Employees.....	414, 814, 815
Coats, suits, etc., manufacture.....	814, 815	Output per hour.....	417
Employees.....	414, 815	Retail trade.....	846
Production.....	825	Congo. <i>See</i> Foreign countries.	
Cobalt.....	755, 758, 764, 775	Congress of Industrial Organizations (CIO). <i>See</i> AFL-	
Cocaine, persons using.....	129	CIO.	
Cocoa, coffee, etc., foreign trade.....	881, 882	Congress, U.S.:	
Prices, import (cocoa).....	484	Apportionment of Representatives.....	505
Cod.....	744-746, 748, 749	Bills, acts, resolutions.....	509
Coffee:		Black elected officials.....	514
Acreage harvested and production.....	892	Composition.....	509, 510
Consumption.....	131	Congressional districts, population.....	508
Foreign trade.....	878, 881, 882	Congressmen, salaries.....	283
Prices.....	483, 484	Members and occupations.....	511
Users and nonusers.....	130	Representatives, vote cast.....	503, 507, 508, 515, 517
World production.....	895	Senators, vote cast.....	503, 504
Coffeemakers, automatic.....	796, 835	Congressional districts, population.....	506
Coins.....	541, 542	Connecticut. <i>See</i> State data.	
Coke ( <i>see also</i> Coal).....	766	Conservation and development, construction.....	781, 782
Car loadings and freight carried.....	663	Construction expenditures for upkeep.....	797
Consumption for production of pig iron.....	829	Construction industry ( <i>see also</i> Building materials and	
Foreign trade.....	878	Highways).....	783-785
Producer price indexes.....	481		
Coke ovens, men employed.....	761		

	Page		Page
Construction industry—Continued		Copper—Continued	
Assets and liabilities	567	Mining industry	756, 757
Buildings authorized	786	Output per hour	417
Building permits	784	Production and value	750, 755, 759, 762
Construction contracts	783, 798	States	775
Defense	374	Prices	754, 775
Highway	845	Import and export	484
Value, by States	793	Product shipments	831
Corporations, partnerships, and proprietorships	557	Reserves	755
Cost	778, 784	Copyrights, registration	594
Employees	406, 411-413, 420, 785, 788	Corn:	
Capital invested per worker	561	Canned	724
Earnings, average	413, 421	Commodity Credit Corporation transactions	701
Injury rate	433	Foreign trade	710, 716, 879
Labor unions	430	Grain	716
Minority races	411	Acreage and value	714, 716
Science and engineering technicians	629	Foreign trade	713, 716
Establishments, number	785, 786	Prices, average	714, 716
Expenditures, Government	293, 296, 304, 312	Production	710, 713, 714, 715
National defense	368	Price supports	702
Firms, failures and liabilities	577	Prices, average, export	484
Gross product, current and constant dollars	441	Production	710
Housing units, new	787	World and foreign	895, 919
Income and profits	573	Products, consumption	131
Injuries	434	Sweet corn, summary	723
Investment, private domestic	439	Corn poppers	835
Labor unions, average rates	426	Corporate business	564, 565, 568
Minority-owned firms	558	Corporate farms	689
National income, origin in	444	Corporations:	
Nonresidential building projects	782	Assets	526, 566
Outlying areas (Puerto Rico)	892	Assets and liabilities	565, 566, 568, 570
Payroll	785, 786	Dividend payments	573
Receipts	567, 785	Foreign ownership, by industry	571
Unemployment	410	Inventories	443, 565, 568
Union wage rates, indexes	426, 784	Invested capital	570
Value added	785	Largest 200 ranked on value of assets	568
Value of construction	775, 781-784, 786	Law firms	194
Wage and salary disbursements	445	Manufacturing, assets and profits	569, 805
Women-owned firms	558	Nonfinancial	564, 568
Construction machinery, equipment, etc.:		Number	556, 557
Manufacture	818, 819	Profits	556, 557, 566, 570, 573, 574, 805
Employees	413, 818, 819	National income component	443
Shipments	892	Receipts	276, 556, 557, 566, 567
Accounted for by largest companies	821	Retail trade	573, 843
Producer price indexes	482	Sales	566, 569, 570, 805
Construction materials. <i>See</i> Building materials.		Stocks and bonds	545
Consumer:		Taxes:	
Cooperatives	559	Corporate income tax	268, 276, 292, 566, 567, 573
Cost-of-living, families	490-492	Number of returns filed	268, 276
Credit	522, 526, 540	State tax collections	305
Agencies, summary	852	Correctional institutions ( <i>see also</i> Prisons and prisons)	
Loans	528	Characteristics of State prisons	200
Durable equipment, value of	474	Jails	200
Expenditures	242, 440-442, 445	Juvenile	189
Books	594	Prisoners	200, 202
Farm foods	706	Correspondence schools	176
Foreign countries	910	Cosmetics, perfume, etc. <i>See</i> Toilet preparations.	
Medical care	105, 106, 442	Cosmetology and barber schools	176
Recreation	242	Costa Rica. <i>See</i> Foreign countries.	
Transportation	637	Cost-of-living indexes. <i>See</i> Consumer price indexes and Prices.	
Price increases, selected countries	488	Cotton:	
Price index, foreign countries	342	Acreage	714, 719
Consumer goods, foreign trade	873	Consumption	719, 825
Consumer price indexes	425, 476-479, 489, 494	Export prices (upland)	484
By commodity group	486, 487	Farm sales	702
By population group	486	Farms, number	694
By region	488	Foreign trade	710, 711, 719, 878, 879
Foreign countries	338, 810-812	Output and marketing indexes	709, 710
Purchasing power of the dollar	476	Prices	481, 714, 719
Year-to-year changes	422, 478	Production	710, 713, 714, 719
Consumption. <i>See</i> Individual commodities.		World and foreign	895, 914, 915
Containers, manufacture and shipments:		Cotton ginning and compressing services	689
Employees	414, 814, 815	Cotton manufactures	814, 815
Glass	814, 815	Consumption of cotton	824, 825
Metal	818, 819, 830	Employees	814, 815
Paperboard and wooden	814, 815	Production	825
Continents, population	896	Spindles and spindle hours	825
Continents, trade ( <i>see also</i> Foreign countries)	874, 877, 884	Producer price indexes	481
Contraceptives	58	Cottonseed sales under price supports	702
Contribution rates, social security	339	Countries. <i>See</i> Foreign countries.	
Conveyors, shipments, value	832	County governments	309, 310
Cooling degree days	936	Employees and payrolls	319
Cooperatives:		Finances	310
Consumer	559	Officials, elected	310
Farm	559, 704	Population by size-group	195-197, 199
Retail trade	843	Courts	189
Copper	765	State	189
Foreign trade	763, 775, 880, 882	U.S., offenses known and cleared	189
Manufacture, castings	831	Cows	710, 726, 727

	Page
Crabmeat, imports .....	749
Crabs .....	744-748
Craft and kindred workers:	
Immigrants .....	91
Married women .....	405
Median earnings .....	424
Race and/or sex .....	418-420
Unemployment .....	410
Cranberry sauce, canned .....	724
Credit agencies, consumer .....	852
Credit card use .....	541
Credit, consumer .....	522, 540
Credit markets, Federal participation .....	264, 528
Credit unions .....	537, 540, 559
Uses and sources of funds .....	529
Crematories .....	852
Crime and criminals:	
Against households .....	185, 186
Arrests .....	178, 189-191
Assassinations and assaults, political .....	188
Cases filed, State courts .....	198
Court proceedings .....	189, 195-197
Crime rates .....	178, 182-184
Drug violations .....	197, 201
Firearms used .....	188
Fraud .....	190
Homicides .....	178, 182, 186-188, 190, 191, 197
Police officers killed .....	189
Victims, by weapons used .....	188
Immigration violations .....	97, 201
Intercepts of communication .....	182
Juveniles in custody .....	199
Offenses known to police .....	182-184, 189
Persons charged .....	185, 189
Prisoners .....	200, 202-204
Average sentence .....	201
Drug violations .....	201
Serving death sentences .....	203, 204
Public officials, prosecutions .....	195
Selective Service Act violations .....	378
Stolen property .....	189-191
Victims .....	185, 186
Crop dusting .....	689
Crops. <i>See</i> Farms and individual crops.	
Crude materials:	
Foreign trade .....	873
Commodities .....	878, 879, 881
Per capita consumption .....	753
Price indexes .....	754
Production and consumption .....	895
Value .....	754
Cuba. <i>See</i> Foreign countries.	
Cuban Refugee Program .....	95
Cucumbers, acreage, production, and value .....	723
Currency:	
Circulation and stock .....	530, 542
Foreign exchange rate .....	927
Personal saving component .....	449
Production of U.S. coins .....	541
Supply .....	543
Cusk, imports .....	749
Customs, receipts .....	257, 260, 262
Duties and percent of value .....	872, 883, 884
Customs regions, imports and exports .....	883
Cutlery, hand tools, hardware manufacture .....	413, 818, 819
Cyclones .....	219
Cyprus. <i>See</i> Foreign countries.	
Czechoslovakia. <i>See</i> Foreign countries.	

## D

Dairy cows .....	726, 727
Dairy farms, number .....	694
Dairy products ( <i>see also</i> Individual products):	
Consumption .....	131
Farm output and marketing indexes .....	709
Farm sales and income .....	702, 727
Farm value .....	702
Foreign trade .....	711, 875
Manufacture .....	414, 814, 815
Milk sales reported by farms .....	727
Producer prices .....	723
Retail prices .....	481, 727
Production .....	727
Retail prices .....	487
Day care arrangements for children .....	360
Deaf persons, special education programs .....	362

	Page
Deaf persons, special education programs—Continued	
Vocational rehabilitation of .....	345
Death sentence, prisoners under .....	203
Deaths and death rates ( <i>see also</i> Accidents and fatalities):	
Age and sex .....	73-75, 79
Cancer .....	79-81
Cause .....	78, 79, 81, 82, 641, 647, 660, 664, 671
Components of population change .....	5, 7, 26, 886
Fetal and neonatal .....	17
Foreign countries .....	901, 902
Heart disease .....	80, 81
Infant .....	77
Maternal .....	77
Occupational .....	434
Outlying areas of U.S. .....	688
Race .....	73-75, 77
States .....	13, 75, 76, 79
Summary .....	58, 61
Debts to deposit accounts .....	542
Debt ( <i>see also</i> Loans and mortgages):	
Consumer .....	525, 537
Credit market .....	525, 526
Farm .....	698
Flow of funds, debt related to assets .....	528
Manufacturing corporations .....	574
Nonfinancial institutions .....	528
Public:	
Cities .....	313, 316
Federal Government .....	258, 277, 278, 287
Foreign countries .....	929
Interest earned .....	262, 288, 289, 291, 304, 312
Local government .....	287, 301, 312, 314
State and local government .....	287, 296, 301
Highways .....	642
State government .....	287, 301, 302, 304
Defense, Department of ( <i>see also</i> Army, Navy, and Air Force):	
Budget, outlays .....	264, 366
Contract awards, by States .....	374
Employees, civilian .....	375
Retirees .....	282
Employment .....	281, 373
States .....	280
Expenditures .....	368, 373
Cost per soldier .....	375
Health and medical care .....	106
Research and development .....	622, 629
Space program .....	623, 625, 633
Funds available and outlays .....	368
Property, real and personal .....	239, 372
Defense-oriented industries, shipments .....	373
Degrees conferred .....	114, 174, 175, 632
Dehumidifiers .....	835
Delaware. <i>See</i> State data.	
Delinquency, juvenile .....	199, 203
Denmark. <i>See</i> Foreign countries.	
Density of population .....	6
Cities .....	24-26
Coastal .....	8
Foreign countries .....	897-899
States .....	12
Dentists .....	109-112, 418
Charges and expenditures for .....	105-107
Degrees conferred .....	174
Dental care of persons covered by insurance .....	108, 551
Earnings from practice .....	112
Foreign countries .....	905
Medicaid payments .....	349
Schools, students, graduates .....	110
Visits per year .....	111
Department stores .....	840-842, 846
Deposits. <i>See</i> Banks.	
Desertion rates, military .....	378
Detective agencies, business summary .....	852
Development Loan Fund .....	870
Diabetes, deaths from .....	78, 79
Diamonds, imports .....	763, 881, 882
Diatomite .....	758
Diesel fuel .....	650, 655
Dietitians and therapists .....	109, 418
Diphtheria .....	126
Direct selling (house-to-house) .....	846
Disability .....	123
Benefits paid .....	335
Compensation and allowances, veterans .....	381, 384-386
Days lost from work, school .....	123
Disability Insurance Trust Fund .....	263, 339, 354
Disabled persons:	
Characteristics of adults .....	345

Disabled persons—Continued	
Children receiving special services	362
Medicaid recipients	348
Old-age, survivors, disability, and health insurance	
<i>See</i> Social insurance.	
Public assistance	354
Supplemental security income	358
Vocational rehabilitation	345
Disasters (tornadoes, floods, etc.)	219
Discharges, military	378
Discount rates, Federal Reserve Bank of New York	522, 544
Diseases	126, 127
Deaths from	78-80
Immunization of children	126
Dishwashers	796, 835
Displaced persons	92
Disposers, electric	796
Distilled liquors. <i>See</i> Liquors and beverages.	
District Courts, U.S.	196, 197
District of Columbia. <i>See</i> State data.	
Dividends:	
Banks	529
Communications systems	583
Corporate, as part of personal income	442
Corporation	573, 805
Individual income tax returns	269, 274
Insurance	548
Veterans	388
National and personal income components	443, 445
Railroad stock	660
Divorce. <i>See</i> Marriage and divorce, and Marital status.	
Doctorates (Ph.D.'s)	174, 175
Doctors, M.D.'s. <i>See</i> Physicians.	
Dog racing, greyhound	248
Domestic service workers	406, 418, 420, 839
Married women	405
Median earnings	424
National income, origin in	444, 838
Personal consumption expenditures for	442
Drafting, private industry, salaries	424
Dresses, manufacture	825
Dressmakers and seamstresses	420
Drinking places. <i>See</i> Eating and drinking places.	
Driving while intoxicated	190, 191
Dropouts (school leavers)	82, 188
Drownings	82, 188
Drug abuse, treatment facilities	129
Drug stores, retail trade	840
Inventories	842
Sales	840-842, 846
Drug users, by type of drug	129
Drug violations	190, 191, 197, 201, 203
Aliens apprehended	97
Arrests	191
Value of seizures by Immigration Border Patrol	97
Drugs and medicines ( <i>see also</i> Pharmaceuticals):	
Advertising expenditures	598, 599
Consumer price indexes	487
Expenditures and charges for	105-107
Foreign trade	880
Manufacture	414, 816, 817
Medicaid payments	349
Prescribed drugs, persons insured	108
Producer price indexes	481
Retail sales	128, 836, 843
Wholesale trade	848, 850
Drunk driving	190, 191
Drugs	848, 850
Dryer, clothes	796, 835
Duplicating, mailing list, steno. services	852
Durable goods and industries ( <i>see also</i> Individual goods and industries):	
Consumers' equipment, value	474
Manufacture:	
Capacity utilization rates	806
Employees	404, 413, 414
Expenditures for new plant and equipment	562
Inventories, orders, and shipments	807
National income, origin in	804
Production indexes	806
Stockholders' equity, profit rates on	574
Personal consumption expenditures	439, 440
Producer price indexes	480
Producers' equipment, value	474
Retail trade, sales and inventories	840-842
Wholesale trade, sales and inventories	848, 850
Dutiable imports and duties	872, 883
Customs receipts	260, 262

Dwellings. *See* Housing and housing units, and  
Households or families.  
Dyeing and cleaning establishments. *See* Cleaning,  
dyeing, pressing, etc.  
Dyeing and finishing textiles, manufacture .....814, 815

## E

Earnings. <i>See</i> Profits, and Salaries and wages, and individual industries.	
Earth sciences, employment	630
Eating and drinking places	842, 845, 846
Employees	415, 420, 846
Franchises	847
Sales	836, 840-842, 845, 846
Economic assistance	713, 856, 870, 871
Economic Communities (Common Market)	910
U.S. imports from	884
U.S. trade	862
Economic growth rates	439, 440
Foreign countries	910
Economic opportunity programs	142
Economics:	
Employment	628, 630
School enrollment and degrees conferred	175, 632
Ecuador. <i>See</i> Foreign countries.	
Education:	
Adult, source of instruction	177
Attainment	136, 148, 149, 151, 152, 163, 165
By age, sex, and race	149
By income level	152
By family head, by income level	45
Female heads of household	51
Outlying areas of U.S.	887
Persons 25 years old and over	148
Prisoners	201
Race, ethnic origin	35, 39, 148
Vietnam veterans	382
Capital outlay or plant expansion	140
Church affiliated schools	155
Construction	781-784
Degrees conferred	174, 175, 632
Salary offers	170
Employment and payrolls	324
Employment, public schools	157
Employment, State and local government	319, 321
Employment status of high school graduates and dropouts	164
Employment status, persons 16-24 years old	400
Enrollment	140, 143-148, 157, 165
Age, sex, and race	145, 146, 148
College students, by family income level	169
Exceptional children, special programs	362
Indian children	140, 155
Nonpublic schools	136, 143, 144, 155, 157
Outlying areas of U.S.	888, 889
Preprimary schools	147
States	144, 154, 168
Years of school completed	400
Exchange program	142
Expenditures	140, 141, 153, 162
As percent of GNP	140
City government	315
Federal Government	141, 290
Higher education institutions	141, 172, 173, 288
Scholarships, fellowships	172
Percent distribution and per capita	289
Private schools	136
Public transportation	159
Public elementary and secondary schools	161
State government	141, 302, 304, 308
Welfare programs	331
Foreign countries	903, 904
Funds for:	
Federal government. <i>See</i> Federal aid to education.	
State and local government	293, 296, 300
Profits	319, 321
Higher education institutions	138, 139, 166, 168, 172
Attended predominantly by Blacks	167
Capital outlay or plant expansion	140
Charges for room and board	171
Degrees conferred	174, 175
Enrollment	140, 143, 144, 146, 166, 167, 173
Advanced degrees	631, 632
By field of study and sex	170

	Page		Page
Education—Continued		Elderly ( <i>see also</i> Population, age):	
Higher education institutions—Continued		Characteristics, by age, race, and sex.....	34
Enrollment—Continued		Characteristics, by type of income.....	488
Junior colleges.....	166	Employment and income.....	486
Minority races.....	167	Federal benefits, by type.....	334
Outlying areas of U.S.....	899	Medicaid payments and recipients.....	348
Projections.....	143	Sixty-five years old and over.....	338
States.....	168	Supplemental security income.....	358
U.S. service schools.....	144, 168	Elections:	
Expenditures.....	140, 141, 172, 173	Black elected officials.....	514
Price indexes.....	170	Campaign expenditures.....	520, 521
Scientific purposes, by type.....	827	Congressional.....	503, 504, 507, 508, 515
Faculty.....	166, 171	Gubernatorial.....	503, 512
Financial aid.....	169	Presidential.....	496, 498-503, 515
Foreign students.....	167	Voter registration.....	514, 518
Graduates ( <i>see also</i> Education, attainment and		Voter turnout.....	496, 503, 516-518
Degrees conferred).....	165, 632	Voting-age population.....	502, 515, 516, 518-520
Income.....	172, 173	Women in public office.....	515
Government funds.....	293, 296	Electric appliances.....	796
Tuition and fees.....	171	Value of shipments.....	833
Junior colleges.....	166	Electric central stations, horsepower.....	602
Libraries.....	176	Electric energy.....	610-612
Noncollegiate postsecondary schools.....	176	Consumption.....	604, 614
Price indexes.....	170	Manufacturing industries.....	820
Scientists and engineers, employed.....	627, 630	Foreign countries.....	916, 917
U.S. service schools.....	173	Generated, purchased, and sold.....	614
Voluntary financial support.....	173	Generating plants, ownership.....	613
International, Federal funds for.....	142	Nuclear capacity.....	620
Kindergartens.....	140, 143, 154	Sales to ultimate customers.....	616
Loans and grants, Federal government.....	141, 169	Electric light and power industry:	
Preprimary school enrollment.....	147	Balance sheet and income account.....	615
Private schools.....	138-141, 143, 155	Capability.....	613
Elementary and secondary enrollment.....	136, 143	Construction.....	781, 782, 784
States.....	144	Consumer cooperatives.....	559
Teachers.....	171	Consumption of fuel.....	770
Projections, high school and college graduates.....	165	Electric energy:	
Public elementary and secondary schools.....	136, 138, 139	Consumption.....	602
Attendance.....	153, 154	Production.....	602, 611, 612
Bonds, elections and sales.....	180	World and foreign.....	895
Capital outlay or plant expansion.....	140, 161	Projections of requirements.....	610
Enrollment.....	136, 140, 143, 144, 153, 154, 157, 160	Sales.....	616
Black.....	146, 156	Federal projects.....	614
Indian.....	154	General capacity, installed.....	611, 612, 614
Spanish-American.....	156	Injury rates.....	434
Expenditures.....	140, 141, 153, 161, 162	Local government enterprise.....	293, 296, 312
High school graduates.....	162, 163	National income, origin in.....	444
Instructional staff.....	153	Ownership, class of.....	611, 612
Length of school term.....	154	Peak load.....	613
Pupil transportation.....	159	Revenues.....	615, 616
Projections.....	143	Electric machinery ( <i>see also</i> Machinery):	
Revenue.....	153, 161	Exports, U.S. as compared to world.....	813
States.....	139	Foreign trade.....	878, 880, 881
Summary, selected cities.....	160	Manufacture.....	818, 819
Teachers.....	153, 157, 158	Capital appropriations and expenditures.....	812
Transportation to school.....	160	Defense-oriented industries.....	373
Retention rates.....	163	Employees.....	413, 818, 819
Revenue from all governments.....	290	Capital invested per employee.....	561
Revenue losses due to Federal tax laws.....	266, 267	Expenditures, plant and equipment, new.....	562
Scholastic Aptitude Test.....	164	Firms, mergers and acquisitions.....	575
School busing.....	159	Injury rates.....	434
School districts.....	309	National income, origin in.....	444
Officials, elected.....	512	Shipments, value.....	833
School-loss days.....	123, 152	Stockholders' equity, profit rates on.....	574
School lunch programs.....	133, 135, 142	Railroad car loadings.....	663
School years completed. <i>See</i> Education, attainment.		Wholesale trade.....	848, 850
Schools for exceptional children.....	140	Producer price indexes.....	481
Veterans.....	142	Electrical repair shops.....	852
Vocational, work and training programs.....	142, 176, 177	Electricians, number.....	419
Education, Dept. of, budget authority and outlays.....	264	Electricity ( <i>see also</i> Fuel and lighting):	
Educational advertising.....	599	Consumption, by railroads.....	661
Educational and cultural associations.....	57	Consumption, residential.....	934-936
Educational buildings, expenditures for plant		Foreign countries.....	620, 905, 916
expansion.....	172, 173	Personal consumption expenditure.....	442
Educational exchange program.....	142	Prices.....	495
Equipment, acreage, production, and value.....	723	Indexes.....	481, 494
Eggs ( <i>see also</i> Poultry):		Production and consumption.....	600, 602
Consumer expenditures.....	706	Residential use expenditures.....	933, 934, 937
Consumption.....	131	Sales, by class of service.....	616
Exports.....	879	Electrocardiogram.....	124
Farm income (poultry and eggs).....	702	Electronic eavesdropping.....	192
Farm value.....	706	Electronic equipment:	
Output and marketing indexes.....	709	Components and accessories.....	834
Prices:		Computing equipment, summary.....	833
Farm and parity.....	728	Corporations, financial data.....	570
Producer.....	481, 483	Employment in manufacturing.....	820
Retail.....	705	Foreign trade.....	880, 881
Production.....	728	Research and development expenditures.....	626, 629
Egypt. <i>See</i> Foreign countries.		Shipments.....	833
Eire. <i>See</i> Foreign countries.		Elevations.....	211
		Elevators and escalators, shipments, value.....	832
		El Salvador. <i>See</i> Foreign countries.	
		Emery, production and value.....	758

	Page		Page
Emission controls, motor vehicles .....	652	Employment and labor force (see also individual industries or occupations)—Continued	
Employee associations .....	429	Race .....	394, 409, 418-421
Employment and labor force (see also individual industries or occupations) .....	394, 399, 413-415	Railroad employees .....	863
Age .....	394, 397, 399	Ratio, employment/population .....	397
Agricultural workers (see also Farmers and farm workers) .....	401, 406, 421	Retail trade .....	859, 844
Aircraft industries .....	673	Satisfied workers .....	405
Benefits and benefit plans .....	346	Scientists and engineers .....	418, 628-630
By age, sex, and marital status .....	398	Selected services .....	419, 420, 853
By family characteristics .....	402	Self-employed workers .....	401, 406
By households .....	46	Sex .....	394-397, 399, 404, 406, 410, 418-420
City government .....	319, 324, 325	Shipyards .....	680
Civilian labor force .....	390, 394-396, 398, 399, 406, 418-420	Social insurance coverage. (See also Social insurance)	335, 337, 347
Employed persons, by hours worked .....	406	Spanish-American .....	35
Employment by sex, race, and age .....	398	State and local government .....	318-323
Full- and part-time .....	399	Police protection and correction .....	193
Median earnings, by sex .....	422	Work stoppages .....	433
International comparisons .....	912	State park personnel .....	244
Median earnings .....	463	States .....	404, 409, 412
Military agencies .....	375	Supplementary benefits .....	346, 427, 428
States .....	412	Taxes .....	262, 268, 275
Class of worker .....	408	Telephone company employees .....	418, 583, 584
Construction industry .....	420, 785, 786	Transportation industry .....	640
Corporations and merchandising firms .....	570	Turnover rates in manufacturing .....	405
Defense-related employment .....	373	Unemployed workers. (See also Unemployment) .....	390, 394, 396, 398, 399, 407-410
Disabled persons .....	345	International comparisons .....	912
Employment status .....	390, 394, 396, 398, 410	Men, veteran status .....	382
Outlying areas of U.S. .....	889	Outlying areas of U.S. .....	889
Persons 16-24 years of age .....	400	Rate, white-collar and blue-collar workers .....	407
Persons 65 years old and over .....	34	Reasons .....	399, 410
Engineers and scientists .....	418, 628-631	Sex and State .....	408
Farm. See Farmers and farmworkers.		Urban wage earners, retail price indexes of food .....	432
Farm population .....	685, 686	Vocational training programs .....	176
Federal Government. See Government.		Volunteer workers .....	382
Foreign countries .....	912, 914, 915	Wholesale trade .....	84, 846
Health occupations .....	109	Women in the labor force .....	402, 404, 405, 418-420
High school graduates and dropouts .....	164	By age of children .....	147, 403
Hotels .....	854	Median income .....	454
Husband and wife working .....	403	Working mothers with low income .....	469
Indexes of output and production .....	393, 416, 417	Work stoppages .....	431, 432
U.S. and foreign countries .....	913	Years of school completed .....	400
Indexes of unit labor cost, manufacturing .....	913	Endangered species .....	219
Industry groups .....	406, 411-415	Energy:	
Injuries, number and rates .....	434	By source .....	502, 607
Labor unions .....	430	Conservation housing units .....	939
Private, employee earnings .....	421	Consumption .....	600-604, 606
Iron and steel industry .....	829	Residential .....	934-936
Job satisfaction .....	405	States .....	605
Manufacturing industries .....	809, 810	Development and research .....	607, 625
Marital status .....	398, 401-403	Expenditures per household .....	937
Married women .....	458	Federal expenditures .....	281
Migratory workers .....	96, 708	Foreign countries .....	916-918
Minimum wage rates .....	425	Fossil fuel prices .....	607
Mining industry .....	760	Imports .....	600, 603
Minority races .....	418-421	Production .....	600, 603, 606
Working mothers with low income .....	469	Companies .....	608
Multiple jobholders .....	401	Foreign countries .....	916
Nonagricultural establishments .....	411	Residential expenditures .....	934
Nonagricultural workers, hours, earnings .....	401, 406, 410, 412-415, 814-819	Rural Electrification Administration .....	614
Nonproduction workers, manufacturing industry .....	810, 811, 814, 815	Solar collectors, manufactures shipments .....	619
Occupational groups. (See also Occupations) .....	418-421	Used in manufacturing .....	820
Sex, race, and educational attainment .....	152	Energy, Department of:	
Weekly earnings .....	424	Budget authority and outlays .....	264, 607
White-collar and blue-collar workers .....	421	Expenditures .....	625
On U.S. merchant vessels .....	680	Energy security trust fund .....	263
Output per man-hour .....	393, 416, 417, 709	Engineering:	
U.S. and foreign countries .....	913	Degrees conferred .....	174, 175, 632
Part-time workers .....	407	Salary offers .....	170
Participation rates .....	394, 395, 401	Employment .....	418
Persons of Spanish origin .....	399	Federal Government .....	284, 630
Persons with a job, not at work .....	410	Private Industry, salaries .....	424
Persons with low income, by work experience .....	469	Students .....	170, 631
Petroleum pipeline companies .....	665	Type of institution .....	630
Police protection and correction .....	192, 193, 420	Engineers and scientists .....	418, 629-632
Postal employees, by type .....	582	States .....	633
Production workers .....	413-415	Technicians .....	629
Manufacturing industry .....	805, 814, 815	Engines and turbines:	
Earnings, weekly .....	422	Manufacture .....	618, 819
Hours and earnings, States .....	423	Employees .....	419, 818, 819
Largest companies .....	821	Shipments, value .....	832
Output per hour .....	417	English and journalism, students .....	170
Puerto Rico .....	891	English, degrees conferred .....	175
States .....	811	Environmental pollution .....	209, 215, 217, 218
Pay increase .....	425	Environmental Protection Agency:	
Projections .....	394	Budget authority and outlays .....	264
Public schools .....	157	Employment .....	281
		Waste treatment facilities .....	295
		Environmental protection, funds for .....	215



	Page
Environmental science.....	625, 628
Equatorial Guinea, population and area.....	897
Escarole, acreage, production, and value.....	723
Estate and gift taxes.....	262, 268, 291
Ethiopia. <i>See</i> Foreign countries.	
Europe. <i>See</i> Foreign countries.	
European Free Trade Association:	
U.S. imports from.....	884
U.S. trade.....	875
Evaporated milk.....	131, 727
Exchanges:	
Foreign exchange rates.....	927
Securities.....	545-547
Employment.....	415
Excise taxes.....	257, 260, 262, 268, 305
Executions, prisoner.....	187, 204
Executive service (Federal):	
Budget outlays and authority.....	264
Employment.....	279, 281
Retirees.....	282
Salaries, U.S. officials.....	283
Exercise.....	125, 245
Expectation of life.....	72, 73
Foreign countries.....	901, 902
Expenditures. <i>See</i> individual subjects.	
Expenditures of State and local government: <i>See</i> individual governmental units.	
Expenditures of U.S. Government.....	257, 258, 261, 287
Aid to the arts and humanities.....	249
Aid to foreign countries.....	370, 856, 866-871
Aid to State and local government.....	294, 295, 297-299
Highway construction.....	844
Airport program.....	294, 670
Area redevelopment.....	294
Atomic energy defense activities.....	368
Budget authority.....	264
Civil defense.....	372
Construction projects.....	293
Defense.....	257, 262, 368, 924
Contracts and payrolls.....	368, 372, 374
Foreign military assistance.....	370
International comparison.....	924
Stockpile materials.....	762
Departments and agencies.....	264, 372
Education. <i>See</i> Federal aid to education.	
Electric power projects.....	614
Energy research and development.....	607
Environmental programs.....	215
Federal food programs.....	133-135, 332, 333
Forests.....	731, 733, 734
Function.....	262, 293
Head start program.....	359
Health services and supplies.....	106
Highway construction.....	645
Hospital.....	116
Land and buildings.....	238, 239
Loans, direct and guaranteed.....	265
Military services.....	262, 268, 372, 374
National defense.....	367, 368
Cost of American wars.....	370
Veterans programs.....	366
National income and product accounts.....	259
Outlays for public welfare programs.....	334
Payments for public assistance.....	354
Payrolls.....	279, 283, 318
Police protection and correction, States.....	193
Pollution control.....	214, 215
Public debt.....	258, 277
Interest earned.....	262, 291
Public roads.....	214, 304, 644
Purchases of goods and services.....	259, 439, 441
Receipts and payments, international transportation.....	674
Research and development.....	622-627, 629
Rivers, harbors, and flood control.....	675
Schools, public and private.....	141
Social welfare programs.....	326, 330-333, 337
Social insurance benefits.....	336, 352
Space programs.....	623, 633, 634
Stockpiling.....	762
Transportation.....	656
Trust funds.....	262, 263
Veterans benefits ( <i>see also</i> Veterans affairs).....	386
Vocational rehabilitation.....	294, 345
Export-Import Bank.....	265, 281, 866
Exports. <i>See</i> Foreign trade.	
Eye examination.....	124
Eyeglasses and contact lenses.....	105-107, 124

## F

Page

Fabrics. <i>See</i> Textile industry and Textiles.	
Factories. <i>See</i> Manufacturing industry.	
Failures:	
Bank.....	532
Business concerns.....	576
Industrial and commercial.....	576, 577
Falls, deaths from.....	82
Families. <i>See</i> Households or families.	
Fans, shipments, value.....	832, 833, 835
Farm Credit Administration.....	281
Farm implements and machinery. <i>See</i> Agricultural implements, etc.	
Farm mortgage loans:	
Debt.....	697, 698
Held by commercial banks.....	533, 539
Held by mutual savings banks.....	539
Interest payable.....	699
Mortgage debt outstanding.....	540
Principal lenders.....	449, 539, 544, 801
Veterans guaranteed and insured.....	389
Farm products. <i>See</i> Farms, agricultural products.	
Farm real estate.....	696
Farm supplies, wholesale trade.....	848
Farmer cooperatives.....	559, 704
Farmers and farm managers.....	420
Married women.....	403
Farmers and farmworkers.....	420, 421, 685
Bankruptcies filed.....	577
Educational attainment.....	152
Geographic divisions.....	690
Immigrants.....	91
Indexes of inputs.....	708
Married women.....	405
Median earnings.....	424
Migratory workers.....	96, 708
Minimum wage rates.....	425
Off-farm work, days.....	689
Race.....	420, 421, 690
Sex.....	418, 420
Tenure of operator.....	690
Unemployment.....	410
Wages or income.....	457, 699, 708
Personal income component.....	445
Receipts from marketing.....	703
Farms.....	685, 686, 690-694, 700
Acreage.....	686, 688, 690, 691, 693, 695
Average per farm.....	693
Cropland.....	691, 695
Crops harvested ( <i>see also</i> individual crops).....	714-721, 723
Principal crops.....	709
Required for specified purposes.....	713
States.....	692
Utilization.....	695
Agricultural chemicals used on.....	707
Agricultural products:	
Exports, acreage used for producing.....	713
Foreign countries, production.....	918, 919
Foreign trade.....	710, 711, 713
Income from.....	699, 702, 703
Marketed through farmer cooperatives.....	704
Output and marketing indexes.....	709
Prices ( <i>see also</i> Prices received by farmers):	
Producer.....	477, 481, 483
Indexes.....	481
Production, U.S. and world.....	710
Puerto Rico.....	892
Railroad car loadings of.....	663
Sales under price supports.....	702
Wholesale trade.....	848
World production.....	895
Assets and liabilities.....	526, 697
Assets, production.....	698
Balance sheet of the farming sector.....	897
Capital, fixed.....	560, 561, 789
Consumer expenditures, farm foods.....	706
Corporate.....	689
Credit.....	539
Crops ( <i>see also</i> individual crops).	
Acreage harvested.....	713, 715-721, 723
Acreage, summary.....	709, 714
Consumption.....	719
Foreign trade.....	716, 718, 719
Fruits and nuts.....	709, 723
Income from.....	690, 702, 703
Output and marketing indexes.....	709
Prices.....	701, 716-721

	Page		Page
Farms—Continued		Federal courts	195-197, 199
Producer price indexes	481	Federal Deposit Insurance Corporation	281
Production	713, 714, 716-721, 723	Federal employees, civilian. <i>See</i> Government.	
World and foreign	895, 918, 919	Federal food programs	133, 134
Sales under price supports	702	Federal Government. <i>See</i> Government.	
Stocks, year end	716, 719	Federal Government finances. <i>See</i> Receipts and Expenditures of U.S. Government.	
Sugar consumption	720	Federal National Mortgage Association	537
Value	687, 714-721, 723	Federal real property	234, 236, 239
Vegetables	709, 723	Federally affected areas, aid to	142
Foreign trade	879	Feed:	
Debt	697, 698	Farm expenditures for	699
Mortgage outstanding	540	Farm output indexes	709
Depreciation and capital expenditures	699	Foreign trade	711, 879
Economic class	691, 693	Feldspar	750, 752, 758
Expenditures	698, 700	Ferrocilloys	756, 757
Farm marketings	697, 702, 703	Foreign trade	882
Government payments to farmers	697, 699, 700, 703	Production	829, 895
Gross farm product	697	Fertility rate	7, 26, 60-62, 65, 67, 68
Horsepower, work animals on farms	802	Fertilizers:	
Households or families, characteristics, by race	687	Consumption	707
Housing	793	Farm expenditures for	699
Income	443, 698-701	Foreign trade	880, 881
Farm operators	687, 699	Manufacture, summary	816, 817
Income and production expenses	682, 699, 700	Nutrient content	707
Input indexes	708	Value of shipments	826
Inventories, change in	697	Fetal deaths	77
Irrigated farmland	695	Flgs, canned	724
Labor inputs	708, 709	Fiji Islands, population and area	897
Livestock on farms, by States	726	Filipinos, number in U.S.	38, 100
Living costs	699	Filling stations. <i>See</i> Gasoline service stations and garages.	
Motor equipment on farms	707	Finance. <i>See</i> individual subjects.	
National income, components	443, 444	Finance companies, consumer installment credit held	540, 541
National income, origin in	444, 697	Finance, insurance, and real estate:	
National wealth components	474	Assets or liabilities	567
Number of farms	682, 686, 688, 690-694, 700, 727	Corporations, partnerships, and proprietorships	557
Reporting sales of milk	722	Employees	406, 411, 415, 419
Operator characteristics	689	Earnings, average	419, 421
Operators, minority races	690	Injuries	433, 434
Part-time and residential	693	Minority races	411
Population	682, 685-688	Science and engineering technicians	829
Characteristics	686	States	404, 412
Migration	685	Women	404, 419
Poultry, number on farms	728	Farms and real estate	696, 697
Price supports, CCC transactions	701	Firms owned by women	558
Prices received by farmers:		Flow of funds	526, 527
Crops	714, 716-721	Foreign investments in U.S.	864
Livestock and products	726, 728	Gross product, current and constant dollars	441
Production assets	698	Income and profits	557, 573
Real estate, input indexes	708	Minority-owned business firms	558
Real estate, value	696	National income, origin in	444
Rental value of homes	687	Receipts	556, 557, 567
Sales of \$2,500 or more	686	Unemployment	410
Size	682, 691	Value of farms	696
States	692, 693	Wage and salary disbursements	443
Structures and land, national wealth	474	Fine arts, degrees conferred	176
Taxes	697, 699	Finland. <i>See</i> Foreign countries.	
Tenure of operator	687, 689, 690	Fire department. <i>See</i> Public safety.	
Type	693, 690, 693, 694	Fire insurance	552
Type of ownership	688	Firearms	187, 188
Value:		Accident deaths	82
Farm output	697	Production and imports	830
Farm products sold	688, 690-693, 706	Firefighters	420
Farm property:		Fires and fire losses	552, 733
Indexes	696	Accidental deaths	82
Land and buildings	688, 690, 692, 696	Firms. <i>See</i> Business enterprise and individual types of business and industry.	
Livestock	697, 725	Fish ( <i>see also</i> individual species):	
New construction	781, 782	Canning and preserving	743, 748
Wages paid, hired labor	699	Catch, quantity and value	742, 744-747, 895
Fatalities. <i>See</i> Accidents and fatalities.		Foreign countries (catch only)	743, 745, 914, 915
Fats. <i>See</i> Lard, Margarine, and Oils.		Consumption	131, 744
Federal aid to education	142, 161, 249, 291, 293-295, 304, 330	Foreign trade	740, 743, 749, 763, 879, 881
Budget outlays	141, 257, 261	Prices	744, 745
Higher education institutions	142, 262, 291, 332, 333	Production and value	739, 745, 748
Scientific purposes	627	Retail trade	846
Public elementary and secondary education	141, 142, 161, 332, 333	Supply	740, 743, 745
Research	142, 623, 624, 626	Fish meal and oils	748, 749
Science and engineering	626	Fishery industry	742
Veterans programs	142, 385, 386	Catch	742, 744
Vocational training programs	141, 176	Products	740, 742, 744, 748, 749
Federal aid to State and local government	294, 295	Fishing and hunting (recreation)	243, 245, 247
Environmental protection	215	Five-and-ten-cent stores (variety stores)	840, 846
Federal banks. <i>See</i> Banks.		Flax, consumption by mills	824
Federal budget:		Flaxseed	702
National income and product accounts	259	Flight schools	176
Outlays	259, 366, 367	Floods	82, 219
National defense and veterans programs	366, 368	Floor coverings:	
Receipts, outlays, and debt	257, 258, 260-264	Imports	882
Trust funds	262, 263		

	Page		Page
Floor coverings—Continued		Foreign countries—Continued	
Manufacture .....	816, 817	Aircraft, exports and imports .....	673
Employees .....	414, 817, 818	Aliens .....	98, 99
Producer price indexes .....	482, 785	Area and density of population .....	897-899
Floor polishers, electric, sales and retail value .....	835	Armed Forces personnel .....	925
Florida. <i>See</i> State data.		Arms exports and imports .....	969
Florists .....	846	Birth rates .....	901, 902
Flounder .....	741, 744-748	Border crossings via Canada and Mexico .....	96
Flour, consumption ( <i>see also</i> Grain-mill products) .....	131	Central American Common Market .....	874, 884
Flow of funds .....	525-529	Civil aviation, miles flown .....	920, 924
Corporate business .....	564	Communications industry .....	922, 923
Fluorine .....	764	Consumer price index .....	342, 910, 912
Fluorspar .....	756-758, 762	Increases, selected countries .....	488
Fodder. <i>See</i> Feed and Hay.		Death rates .....	901, 902
Food, beverages, and tobacco, expenditures for .....	442	Debt .....	929
Food for Peace .....	265, 712	Economic communities .....	898
Food products machinery, shipments value .....	832	Employment and labor force .....	912, 914, 915
Food products manufacturing industry .....	817, 818	Energy production and consumption .....	606, 916
Canned foods .....	724	Exchange rates .....	927
Capacity utilization rates .....	806	Export and import unit value indexes .....	673
Capital appropriations and expenditures .....	812	Fertility rates .....	901, 902
Capital invested per worker .....	561	Financial resources .....	930
Corporation sales, profits, and dividends .....	570	Fish catches .....	743, 745, 914, 915, 930
Employees .....	414, 817, 818, 820	Gross domestic product .....	906, 908-910
Labor unions .....	430	Gross national product .....	907
Expenditures:		Growth rates, economic .....	439
Plant and equipment, new .....	562	Health and medical services .....	905
Multinational companies .....	572	Homicides .....	187
Research and development .....	626	Housing and housing units .....	905
Firms, mergers and acquisitions .....	575	Immigration to U.S. .....	88, 93-95
Frozen foods .....	724, 743, 748	Infant mortality rates .....	901, 902
Injuries .....	434	Investments in U.S. .....	863-865
Investments, multinational companies .....	571	Multinational companies .....	571, 572
National income, origin in .....	444	Latin American Free Trade Association .....	874
Price indexes .....	754	Life expectancy .....	901, 902
Production indexes .....	806	Loans by U.S. .....	938
Stockholders' equity, profit rates on .....	574	Manufacturing establishments and employees .....	914, 915
Summary .....	704	Productivity, compensation, and labor costs, indexes .....	913
Food programs (Federal) .....	133, 134, 392-394	Migratory workers admitted to United States .....	96
Food surplus, donated to needy families .....	133	Military expenditures .....	367, 369
Food waste disposers .....	835	Military personnel, U.S., on active duty .....	374, 377
Foods and foodstuffs ( <i>see also</i> Individual commodities):		Military sales .....	371
Advertising expenditures .....	598, 599	Military ships, by type .....	926
Car loadings .....	663	Motor vehicle registrations .....	650
Consumer expenditures .....	706	Motor vehicles in use .....	920, 921
Consumption .....	131	National defense expenditures .....	924
Costs .....	490, 704	Net migration .....	902
Expenditures for .....	442, 492	Nobel prize laureates .....	627
Weekly food cost .....	493	Nuclear power generation .....	620
Foreign trade .....	873, 879, 881	Owning U.S. firms .....	571
Quantity and value indexes .....	873	Passengers, arrivals and departures .....	253
Waterborne commerce .....	676	Passports issued .....	252
Manufacture, summary .....	814, 815	Pension index .....	342
Energy used .....	820	Population .....	897-900
Prices:		United States .....	15, 39, 40
Consumer price indexes .....	486, 487, 489	Production:	
Increase, U.S. and foreign countries .....	912	Cement, iron ore, and yarn .....	914, 915
Producer prices .....	477, 478, 480, 481, 483	Corn .....	919
Retail prices .....	493, 705	Crops .....	918
Spot market .....	480	Indexes .....	910
Production indexes .....	709, 806	Meat .....	919
Retail trade:		Minerals .....	916, 917
Employees .....	846	Sugar .....	720, 919
Inventories .....	842	Railroad traffic .....	920, 921
Sales .....	836, 840, 841, 843, 845, 846	Refugees admitted to U.S. .....	95
States .....	845	Reserve assets .....	928
Supply and utilization .....	705	Schools and education .....	903, 904
Football .....	248	Shipping .....	681, 920, 921
Footwear:		Sources of minerals .....	764
Consumer price indexes .....	487	Space vehicles .....	634
Imports .....	882	Steel production and consumption .....	916, 917
Manufacture .....	816, 817	Suicides .....	187, 906
Employees .....	415, 816, 817	Telephone and telephone rates between selected cities .....	585
Output per man-hour .....	417	Territory ceded to United States .....	207, 208
Production .....	826	Trade .....	862, 872, 910
Personal consumption expenditures .....	442	Trade with United States .....	874-878, 884, 920, 921
Producer price indexes .....	481	Transportation .....	920, 921
Retail trade .....	840-842	Travelers to and from U.S., expenditures .....	252, 253
Foreign aid by U.S. Government .....	856, 866, 870	U.S. balance on account transactions .....	862
Countries .....	867-869	U.S. citizens, naturalized .....	100
Economic assistance .....	870, 871	U.S. investments, mineral industries .....	764
Military aid .....	370, 870	Vessels lost .....	680
Programs .....	713, 866, 867	Vital statistics .....	901, 902
Foreign and agricultural aid, exports financed .....	871	Wage index .....	342
Foreign-born population .....	37-40	Foreign currency holdings .....	863
Foreign citizens, science doctorates .....	632	Foreign exchange holdings .....	928
Foreign countries:		Foreign exchange rates .....	927
Agricultural aid .....	712	Foreign grants and credits, U.S. Government .....	866-869
Aid by U.S. Government .....	370, 867-871		

	Page		Page
Foreign investments in United States .....	864	Forest products—Continued	
Foreign languages, degrees conferred .....	175	Production .....	734, 736-739
Foreign languages spoken in households .....	41	Supply .....	734
Foreign students .....	167	National forests .....	731
Foreign trade ( <i>see also</i> Foreign aid, Foreign countries, <i>and individual commodities</i> ) .....	872, 884	Forestry .....	175
Agricultural aid (Public Law 480) .....	871	Commercial .....	731, 732
Agricultural products .....	711, 878	Land, acreage and ownership .....	234, 239, 695, 731, 732
Acreage used for producing exports .....	713	National .....	729, 731, 733, 734
Coffee, tea, cocoa, and chocolate, imports .....	882	Payments and receipts .....	731
Crops .....	716-719	Recreational use .....	743
Fats and oils .....	721	Foundations, philanthropic .....	383, 384
Government-financed programs, exports .....	713	Foundries, manufacture .....	816, 817
Meats and lard .....	725	Employees .....	413, 816, 817
Value .....	711	Output per hour .....	417
Wool .....	824	Shipments accounted for by largest companies .....	821
World and U.S. exports .....	710	Fowls. <i>See</i> Poultry.	
Airborne exports and imports .....	673	France. <i>See</i> Foreign countries.	
Aircraft and aircraft parts, exports .....	674	Franchised establishments .....	847
Arms, by supplier and recipient countries .....	369	Fraud .....	190, 201
Automobiles, imports .....	651, 873	Free merchandise imports .....	872, 893
Balance of payments, transportation .....	872	Freeze, occurrence in selected cities .....	220
Balance of trade .....	872	Freezers, home .....	796, 836
Balance on international transactions .....	862	Freight traffic. <i>See</i> Air transportation, Canals, Rail- roads, Rivers, and Waterways.	
Capital goods .....	873	French West Indies, U.S. trade .....	875
Coastal districts .....	677	Fringe benefits .....	346, 427, 428
Commodity groups .....	878-882	Frozen foods .....	724
Consumer goods .....	873	Consumption .....	131
Continents .....	874-878, 884	Fish .....	743, 744, 748
Countries .....	872, 874-877, 884, 910	Production .....	724
Customs regions .....	883	Fruit cocktail, canned .....	724
Exports:		Fruits .....	723
Arms, by supplier and recipient countries .....	369	Canned and frozen .....	724
Commodity groups .....	871-882	Consumption .....	131
Financed under Foreign Assistance Act .....	871	Foreign trade (fruits and preparations) .....	711
Minerals .....	763	Frozen food production .....	724
Natural gas .....	769	Fruits and nuts:	
Price indexes .....	485	Farms .....	694
Fish products .....	740, 743, 749	Foreign trade .....	678, 879, 881
Food, feed, and beverages .....	873	Income and receipts from .....	702
Foreign countries .....	914, 915	Output and marketing indexes .....	709
Imports:		Fruits and vegetables:	
Beverage crops .....	882	Producer price indexes .....	481
Books .....	596	Production, canned and frozen .....	724
Commodities .....	669-683	Retail prices .....	487
Countries .....	884	Retail trade .....	846
Crude oil .....	608	Frypans, electric .....	796, 835
Fishery products .....	743	Fuel ( <i>see also</i> <i>individual types</i> ):	
Free and dutiable .....	872, 883, 884	Advertising expenditures .....	598
Gypsum .....	771	Consumption:	
Minerals .....	763	Airplanes, civil .....	669, 671
Price indexes .....	485	Annual percent increase .....	611
Tungsten .....	776	Manufacturing industries .....	778, 820
Uranium .....	776	Motor vehicles .....	653
Value and duties .....	883	Railroads .....	661
Indexes of industrial production .....	910	Residential .....	935, 938
Indexes of quantity and value .....	872, 873	Utilities .....	611, 670
Industrial supplies .....	873	Diesel .....	855
International transactions, U.S. .....	859-861	Electricity generated by .....	611, 612
Exports, U.S. compared to world .....	813	Energy produced and consumed .....	600, 602
Iron and steel .....	829	Expenditures, residential .....	937
Merchandise .....	872	Foreign trade .....	763
Countries .....	874-877	Industry, summary .....	756, 757
Puerto Rico .....	892	Prices, retail .....	495, 655
Mineral fuels .....	608	Producer prices .....	480, 483
Mineral products ( <i>see also</i> <i>individual products</i> ) .....	763	Production .....	603, 752, 753, 758, 762
Mississippi River, freight on .....	676	Retail trade .....	843, 846
Motor vehicles .....	650	Used in heating and/or cooking .....	796, 933
Nationality of carrier .....	677	Value .....	754
Plywood .....	737	Fuel and lighting, price indexes:	
Ports .....	675, 677	Consumer .....	487
Prices .....	484	Producer .....	481
Reexports of foreign merchandise .....	872	Retail .....	494
Shipping .....	674, 677, 678	Fuel oils:	
U.S. merchant marine .....	691	Consumption:	
Timber products .....	734, 739	Airplanes, civil .....	669
Trade areas .....	878	Motor vehicles .....	653
U.S. balance on account transactions .....	856, 862	Railroads .....	661
Waterborne commerce .....	675-677	Residential .....	934, 935
Woodpulp .....	739	Energy produced and consumed .....	934, 937
World summary, external trade .....	895	Foreign trade .....	763, 766, 881
Foreign travel .....	234, 252, 253	Fossil fuel prices .....	607
Forest fires .....	733	Price indexes:	
Forest products ( <i>see also</i> <i>individual products</i> ):		Producer .....	481
Car loadings .....	861, 663	Retail .....	494
Consumption .....	738, 739	Production .....	603, 766
Foreign trade .....	734, 763	By region .....	606
Manufacture .....	739, 739, 814, 815	Residential use .....	933
Employees .....	814, 815		
Prices .....	735		
Indexes .....	754		

	Page		Page
Fuelwood .....	734	Gas utility industry—Continued	
Fund-raising campaigns .....	363, 364	Gas mains, mileage .....	617
Funds, flow of .....	525-529	Local government enterprise .....	312
Funeral services, crematories .....	852	Expenditures .....	293, 296
Furnaces, blast .....	829	Prices, by class of service and States .....	619
Furnishings, house. <i>See</i> Housefurnishings.		Value of new construction .....	781, 782
Furniture:		Gasoline .....	765
Advertising expenditures .....	599	Advertising expenditures .....	598
Car loadings .....	663	Consumption:	
Earnings .....	735	Civil aviation .....	669, 671
Manufacture .....	814, 815	Motor vehicles .....	653
Acquisitions and mergers .....	575	Personal consumption expenditures .....	654
Employees .....	413, 814, 815, 820	Prices (retail) .....	655, 766
Capital invested per .....	561	Consumer price indexes .....	487
Labor unions .....	430	Production .....	766
Expenditures, plant and equipment, new .....	815	Supply .....	654
Firms, mergers and acquisitions .....	575	Taxes .....	268, 650, 654, 655
Injury rates .....	434	Governmental revenue .....	290
National income, origin in .....	444	Gasoline service stations and garages:	
Output per hour .....	417	Auto operators' cost for use of garages, etc .....	654
Production indexes .....	806	Construction, private .....	784
Personal consumption expenditures .....	442	Employees .....	420, 840
Retail trade .....	843, 846	Franchises .....	847
Employees .....	415, 846	Retail trade .....	648, 836, 840, 842, 845, 846
Inventories .....	842	States .....	853
Sales .....	836, 840, 841, 846	Gem stones .....	758, 763
Wholesale trade .....	848, 850	General merchandise, retail trade .....	845, 846
Producer price indexes .....	482	Employees .....	415, 846
Furs and fur goods:		Inventories .....	842
Foreign trade .....	881	Sales .....	840-842
Manufacture, summary .....	814, 815	General Services Administration, employment .....	281
		Geographic data .....	210-212
<b>G</b>		Geography and cartography .....	630
Gabon. <i>See</i> Foreign countries.		Geology, degrees conferred .....	175
Gadsden Purchase .....	207, 208, 237	Georgia. <i>See</i> State data.	
Gambling and gamblers .....	245, 249	Germany. <i>See</i> Foreign countries.	
Arrests .....	190, 191	Ghana. <i>See</i> Foreign countries.	
Games, toys, etc.:		Gibraltar. <i>See</i> Foreign countries.	
Advertising expenditures .....	598	Gift taxes .....	268
Foreign trade .....	882	Governmental revenue .....	290
Manufacture .....	818, 819	Girl Scouts, membership and units .....	362
Producer price indexes .....	482	Glass ( <i>see also</i> Stone, clay, and glass products):	
Garages. <i>See</i> Gasoline service stations and garages.		Foreign trade .....	882
Garlic, acreage, production, and value .....	723	Manufacture .....	816, 817
Garnet (abrasive), production and value .....	758	Corporations, financial data .....	570
Gas ( <i>see also</i> Petroleum and gas wells):		Employees .....	413, 816, 817
Customers, sales, and revenue .....	617, 618	Output per hour .....	417
Average prices, selected areas .....	494	Producer price indexes .....	482, 785
Gas mains, mileage .....	617	Glaucoma test .....	124
Manufactured, customers, sales, and revenue .....	618	Gloves, leather .....	816, 817
Natural .....	603, 758, 766, 768-770	Gold, summary .....	774
Consumption .....	604-606, 769	Circulation and monetary stock .....	542, 863
Annual growth rates .....	603	Imports as percent of consumption .....	764
Residential .....	834-936	Mining industry, summary .....	756, 757
Customers, sales, and revenue .....	618, 769	Production and value .....	755, 759, 774
Drilling expenditures .....	750, 767, 768	Reserve against U.S. notes .....	529, 530, 542
Energy produced and consumed .....	602	Reserves .....	755
Expenditures, residential .....	834, 837	Stock .....	530
Exports and imports .....	608, 681	Golf .....	244, 245, 246
Industry, summary .....	758, 757	Government ( <i>see also</i> Expenditures of U.S. Govern-	
Lease revenues .....	767, 768	ment and Receipts, U.S. Government, and individ-	
Marketed production .....	769	ual government units):	
Pipeline companies .....	665	Employees .....	411, 412, 415
Prices .....	607	Blue-collar workers .....	279
Production .....	608, 767, 769, 770	City government .....	324, 325
Annual growth rates .....	603	Energy research and development .....	608
Foreign countries .....	916	Federal, civilian .....	279-284, 318
Reserves .....	769	Abroad .....	9
Residential use .....	933	Accessions and separations .....	279
Sales volume .....	768	Agency .....	280-282
Price indexes:		Blue-collar workers .....	279
Producer .....	481	Compensation authority .....	283
Retail .....	494	Defense-related work .....	373
Production and value .....	758, 769	Minority groups, by pay category .....	284
Production indexes .....	752, 753	Occupation groups .....	284
Gas and electric utilities:		Payrolls .....	279, 318
Employees .....	415	Salaries, annual average .....	283
Labor unions .....	430	Sex .....	279
National income, origin in .....	440	Sick leave .....	347
Output per hour .....	417	Standard metropolitan statistical areas .....	279
Personal consumption expenditures .....	442	States .....	280
Price indexes .....	494	Type of position .....	278
Gas utility industry:		Wages and salaries .....	279, 283
Balance sheet and income account .....	617	White-collar workers .....	278
Construction .....	784	Hospitals .....	115, 118
Customers, sales, and revenue .....	617, 618, 769	Indexes of production .....	416
		Labor unions .....	430
		Local government .....	318, 319, 321-323
		Minority races .....	411
		Scientific and technical .....	627, 630

## Page

## Government—Continued

State government.....	318, 319, 321-323
Expenditures (all governments).....	288, 291, 293
Federal.....	261, 262, 266, 290, 293, 345
Aid to State and local government.....	345
Percent distribution and per capita.....	289
Water projects.....	214
State and local government.....	261, 288, 290, 296, 304, 312, 315
Percent distribution and per capita.....	289
Federal civilian salaries, annual average.....	425
Federal participation in domestic credit markets.....	264
Federal real property.....	238, 239, 372
Flow of funds.....	525-529
Gross product, originating in.....	441
Hospitals.....	115
Insurance. <i>See</i> Social Insurance.	
Land. <i>See</i> Public lands.	
National income, origin in.....	444
Number of units by level of government.....	287
Organization chart of U.S. Government.....	254
Purchases of goods and services.....	439-441
Receipts.....	261
Highways.....	642
Revenue ( <i>See also</i> Taxation).....	288, 290, 297
Revenue and expenditure, State government.....	302, 303
Revenue losses due to Federal tax laws.....	266, 287
Securities.....	543, 545, 546
Strategic and critical materials, summary.....	762
Structures.....	239
Unemployment.....	410
Wages and salaries:	
Average annual.....	283
Executive and legislative officials.....	283
National income component.....	443
Scientific and technical personnel.....	631
Governors, vote case.....	503, 512
Grain ( <i>see also</i> Individual classes):	
Car loadings.....	663
Consumption.....	131
Farm income.....	702
Farms, cash-grain.....	694
Foreign trade.....	711, 879
Exports by trade areas.....	878
Output indexes.....	709
Prices, producer indexes.....	481
Grain-mill products, manufacture.....	814, 815
Employees.....	414, 417, 814, 815
Granite, sales.....	772
Grants reported by subject.....	364
Grapefruit, production and value.....	723, 724
Grapes, production and value.....	723
Gravel and sand.....	756, 757, 759, 777
Grazing:	
Land, Federal acreage.....	234, 239, 695
National forests, livestock, and receipts.....	731
Public lands, leases.....	241
Great Britain. <i>See</i> Foreign countries.	
Great Lakes:	
Area.....	212
Commerce.....	675-677
Fisheries.....	742, 746, 747
Greece. <i>See</i> Foreign countries.	
Greenland. <i>See</i> Foreign countries.	
Greens, leafy, canned.....	724
Greeting cards, manufacture.....	816, 817
Griddles, automatic.....	835
Grist mills.....	689
Groceries:	
Retail trade.....	840-842, 846
Wholesale trade.....	848, 850
Gross domestic product, by country.....	906, 908, 909
Gross domestic product, corporate businesses.....	565
Gross national product.....	437, 439-442
As percent of national defense outlays.....	366
Auto products as percent of.....	651
Current and constant dollars.....	439
Economic growth rates.....	439, 440
Foreign countries.....	907, 910
Implicit price deflators for.....	439, 478, 479
National health expenditures as percent of GNP.....	103, 104
Relation to national and personal income.....	442
School expenditures as percent of GNP.....	140
Gross private domestic investment in relation to GNP.....	437, 439-441
Ground water used.....	213
Groundfish, imports.....	749
Growth rates:	
Economic.....	439

## Growth rates—Continued

Population . . . . .	7, 26
Guadeloupe, population and area . . . . .	899
Guam, <i>See</i> Outlying areas of U.S. . . . .	
Guards and watchmen . . . . .	420
Guatemala, <i>See</i> Foreign countries. . . . .	
Gubernatorial elections . . . . .	512
Guinea, <i>See</i> Foreign countries. . . . .	
Guns. <i>See</i> Firearms. . . . .	
Guyana, <i>See</i> Foreign countries. . . . .	
Gypsum and gypsum products . . . . .	764, 771
Producer prices . . . . .	492, 785
Production and value . . . . .	755, 758, 762, 771
Reserves . . . . .	755



**Haddock:**

Catch	741, 744, 745, 747
Fresh and frozen packaged	748
Imports, pickled or salted	749
Prices received by fishermen	744
Hair dryers, sales and retail value	835
Hake, imports	749
Halibut	744, 745, 747, 749
Hallucinogenic drugs	129
Hams, bacon, etc.: imports	881
Handbags, manufacture, summary	816, 817
Handicapped:	
Health aids	128
Institutions for	54
School enrollment, educational programs	139, 362
Hardware:	
Manufacture, summary	818, 819
Retail trade	840, 846
Wholesale trade	848, 850
Producer price indexes	482, 785
Hashish, persons using	129
Hats, manufacture	814, 815
Hawaii. <i>See</i> State data.	
Hay:	
Acreage, production, and value	714
Hours per unit of production	710
Output indexes	709
Prices, farm	714
Indexes (hay and hayseeds)	481
Head Start program	359
Health and beauty aids, retail sales	128, 843
Advertising	598, 599
Health and medical associations	57
Health care:	
Advertising expenditures	599
Consumer cooperatives	559
Consumer expenditures	105, 106, 122
Consumer price indexes	487
Coverage by income level	109
Drug abuse treatment facilities	129
Employees	114, 418, 419, 839
Federal Government	284
Salaries, median	631
Employment and payrolls	318
Employment, by occupation	109
Expenditures for	104, 260
Facilities for the aged	119
Facilities for the mentally retarded	121
Foreign countries	905
Hospitals and institutions	114, 118, 121, 122
Employment and payrolls	318
Long-term care	119
Occupancy rates	116, 117
States	117, 122
National expenditures	105
National income, origin in	444, 838
Nursing care homes	106, 107, 119, 120
Personal expenditures	106, 107, 442
Philanthropy	105, 106
Preventive care services	124
Price indexes	103, 107
Public expenditures	105, 106, 288, 312, 326, 330
Federal Government	290, 293, 331-333
Aid to State and local governments	294
Per capita	289
State and local government	290, 293, 296, 300, 332, 333
City government	312, 315
State government	303, 304
Research and development expenditures	627
Revenue losses due to Federal tax laws	267
Type	105

	Page		Page
Health care—Continued		Hospitals—Continued	
Veterans health care.....	387	Average daily room charge.....	114
Health and Human Services, Department of:		Beds.....	115, 117
Budget authority and outlays.....	264	Charges and personal expenditures for.....	105, 107
Employment.....	281	Construction, value.....	781-784
Expenditures, research and development.....	625	Cost per patient to hospital.....	114
Health and welfare.....	257, 261, 262	Discharges from.....	118
Public and private expenditures.....	331	Employees.....	114, 116, 117, 321, 420
Health insurance.....	108, 109, 346, 551	Payrolls.....	115, 321
Coverage, by type.....	108, 551	Expenses per patient day.....	115
Claims, hospital charges, and reimbursements.....	348	Facilities.....	114, 115, 117
Employment covered by.....	348	Foreign countries.....	905
Enrollment and payments.....	347	Governmental revenue.....	290
Expenditures for.....	104, 106	Insurance:	
Aged.....	332, 333	Benefits.....	107, 339, 346
Private organizations, financial data.....	107, 551	Claims and reimbursements.....	348
Health profession, degrees conferred.....	170, 174	Coverage.....	551
Health services and supplies, expenditures.....	104-106	Payments.....	347, 349
Heart disease.....	78-81, 127	Persons covered, by type of plan.....	108
Heating and plumbing equipment, etc.:		Mental hospitals.....	114, 121, 122
Housing units.....	792, 796	National expenditures.....	104, 105
Expenditures for upkeep and improvement.....	797	Occupancy rates.....	115, 117
Foreign countries (piped water).....	905	Patients admitted.....	117
Type of fuel.....	933	Prices, indexes.....	103, 107
Manufacture.....	818, 819	Private expenditures, construction.....	104
Employees.....	413, 818, 819	Public expenditures.....	104, 106, 288, 293
Producer price indexes.....	481, 815	Percent distribution and per capita.....	289
Wholesale trade.....	848, 850	State and local government.....	296, 300, 304, 312
Heating—degree days.....	938	Veterans.....	104
Heating pads, electric.....	935	States.....	117
Heights, average, by age and sex.....	125	Type of control and service.....	114, 115
Helium, production and value.....	758	Use, admissions, and patient days.....	116, 118
Hepatitis.....	78, 126	Veterans, expenditures, and patients.....	121, 262, 385-387
Heroin, persons using.....	129	Hotels.....	853, 854
Herring.....	744-747	Advertising expenditures.....	599
Hides and leather products ( <i>see also</i> Leather and leather products):		Employees.....	415, 839, 852, 854
Foreign trade.....	711, 879, 881	Injury rates.....	434
Prices.....	483	Payroll.....	852, 854
Producer indexes.....	481	Franchises.....	847
Highway trailers, car loadings.....	663	Indexes of operations.....	851
Highways:		National income, origin in.....	444, 838
Construction.....	644, 784	Hotels, motels, tourist courts, camps.....	851, 852
Contracts awarded.....	645	Hotplates, electric.....	796
Value of new construction.....	781, 782	Hours and earnings ( <i>see also</i> Salaries and wages and individual industries and occupations):	
Debt, State and local government.....	642	Aircraft personnel.....	673
Employees and payrolls.....	318, 321, 324	Earnings, median, by occupation.....	418-420
Expenditures:		Farmworkers.....	708
All governments.....	289, 293	Indexes of payment.....	416
City government.....	315	U.S. and foreign countries.....	913
Maintenance and repair.....	645	Industrial groups.....	421
State and local government.....	288, 290, 293, 296, 300, 312	Average hourly earnings.....	415
State government.....	303, 304, 645	Average weekly hours.....	411
U.S. government.....	288, 290, 639, 644, 645	Nonagricultural industries.....	415
Federal aid.....	294	Production workers, manufacturing.....	422, 423, 425
Highway trust fund.....	263	Railroad employees.....	663
Federal-aid systems.....	643-645	Union wage rates, indexes.....	426
Mileage.....	641-644	Wage and salary workers, earnings.....	424
Motor fuel consumption.....	653	Year-to-year changes, earnings and compensation.....	422
Motor fuel tax.....	655	House of Representatives.....	503, 505, 507-510
Railroad grade crossings and accidents.....	664	Household operation:	
Receipts.....	642	Consumer price indexes.....	487
Roads and trails, national forests.....	731	Manufacture, summary.....	814, 815
Type and control.....	641-643	Producer price indexes.....	840, 848
Hiking and mountain climbing.....	243, 245	Retail trade.....	840, 848
Historians.....	630	Advertising expenditures.....	598, 599
Historic sites.....	242	Wholesale trade.....	848, 850
History, degrees conferred.....	175	Household workers. <i>See</i> Domestic service workers.	
Hockey.....	248	Households or families ( <i>see also</i> Housing and housing units):	
Hogs.....	702, 725, 726	Automobiles, ownership.....	45, 47-50
Home appliances. <i>See</i> Housefurnishings.		Black.....	45
Home economics.....	175, 176	Cable television, subscribers (household).....	589
Home loan banks. <i>See</i> Banks.		Characteristics.....	46, 453
Homes. <i>See</i> Housing, etc.		Children under 18 years old.....	48, 51, 52
Homestead entries on public land.....	240	Cost-of-living, families.....	490, 492, 493
Homicides.....	78, 81, 178, 182-184, 187, 188, 190, 191, 204	Crimes against.....	185
By race and sex.....	186	Families not headed by husband and wife.....	51
Police officers killed.....	189	Families in poverty.....	465, 469
Victims, by weapons used.....	188	Farm.....	687, 689
Honduras. <i>See</i> Foreign countries.		Flow of funds.....	525, 526
Hong Kong. <i>See</i> Foreign countries.		Householder.....	43, 45, 48, 50, 51, 53, 454
Horseback riding.....	243, 245	Income.....	450-454, 459, 462
Horsepower.....	802, 707	Age 65 years old and over.....	34, 466
Horseshoeing.....	248		
Horticultural-specialty farms.....	689		
Hosliery.....	826		
Hospital care, expenditures for.....	105, 106		
Hospitals.....	114-117		
Assets, expenses, and personnel.....	116		

	Page		Page
Households or families—Continued		Housing and housing units—Continued	
Income—Continued		Plumbing facilities.....	790, 792, 795
Appalachia.....	470	Expenditures for maintenance and repair.....	797
Below poverty level.....	438, 463, 464, 469	Foreign countries (piped water).....	905
By race of householder.....	460	Population per unit.....	791-793
By residence, region, and occupancy.....	461	Price index.....	778, 784, 801
Characteristics, by type of income.....	468	Price, homes.....	780, 799, 802, 932
Families, by States.....	455	Public housing, low rent units.....	798
Husband-wife families.....	458, 459	Expenditures, Federal and State.....	294, 295, 930, 932, 933
Median family income, by race.....	456, 460	Renter-occupied.....	790, 793-795, 799
Outlying areas of U.S.....	889	Repairs and additions.....	797
Per capita.....	470	Rooms per unit.....	781, 797
Poverty.....	463-465, 467, 468	Senior citizens.....	798
Standard metropolitan statistical areas.....	456, 457	Sold or for sale.....	780, 799, 800
White and Black population compared.....	454	Standard metropolitan statistical areas.....	791, 798
Married couples with or without own household.....	45	Structural defects.....	795
Mean and median income.....	461	Structural type.....	784, 787, 797
Minority races.....	45, 46, 48	Tenure (owner- or renter-occupied).....	793, 801
Number of persons in family.....	50	Tenure (owner- or rental-units) vacancy rates.....	790, 794, 795
One-person households.....	52	Units in structure, number.....	790, 795
Outlying areas of U.S.....	887	Vacancies.....	790, 798-800
Per capita income, by States.....	455	Value (owner-occupied).....	788, 790, 794, 800
Poor persons.....	438	Year built.....	790, 795, 799, 932
Population per household.....	45	Year-round units, States.....	792
Poverty.....	438	Housing and urban development:	
Projections.....	47	Budget authority and outlays.....	267
Public assistance to families.....	358	Employment.....	281
Shared by unrelated individuals.....	44	Expenditures.....	288, 291, 293, 294, 296, 304, 312
Size.....	45, 47, 48, 50	City government.....	312, 315
States.....	49	Percent distribution and per capita.....	289
Taxes paid, by income level.....	317	State and local government.....	290
Telephone service.....	584, 585	Low-rent housing units.....	295, 798
Television sets, homes with.....	589	Human resources, Federal outlays as percent of	
Trips, by purpose.....	252	GNP.....	258
Two-person households.....	44	Humidity, selected cities.....	232, 233
Weekly food cost.....	493	Hungary. See Foreign countries.	
Working mothers.....	468	Hunting and fishing.....	243, 245, 247
Housing and housing units (see also Households or		Hurricanes.....	82, 219
families).....	92, 793, 798, 799	Hydrogen and compounds, production.....	827
Building fires.....	552	Hypertension.....	127
Construction:			
Apartments completed and rented.....	799		
Cost.....	778, 784		
Mortgage loans for.....	536, 787		
New units.....	786-788, 790, 800		
Outlying areas (Puerto Rico).....	892		
Value.....	778, 781-784		
Consumer price indexes.....	477, 486, 487, 489, 494		
Foreign countries.....	912		
Consumption expenditures.....	442		
Costs.....	490-492		
Energy conservation.....	939		
Energy consumption, expenditures.....	934		
Equipment:			
Electrical appliances, selected.....	791, 796		
Telephone.....	585, 791		
Expenditures for maintenance and repair.....	797		
Farm.....	789, 793		
Federal outlays.....	260, 334		
Financing.....	800, 801		
Foreign countries.....	905		
Geographic divisions.....	791		
Gross housing products.....	789		
Homes, privately owned, characteristics.....	788		
Income of owners and renters.....	795		
Inventory.....	790		
Leased by Local Housing Authority.....	798		
Loans.....	536, 539, 801, 802		
Federal Housing Administration (FHA).....	800-802		
Veterans Administration (VA).....	889, 800, 802		
Minority races, occupants.....	792, 793		
Mobile homes.....	787, 788		
Mortgage loans, characteristics of.....	802		
Mortgaged.....	540, 801, 802		
Neighborhood characteristics and services.....	797		
New privately-owned homes, characteristics.....	788		
New, purchased by Local Housing Authority.....	798		
Nonfarm.....	787		
Tenure (owner- or renter-occupied).....	793, 801		
Value.....	802		
Occupied units.....	786, 790, 792, 795, 798, 931		
Financial characteristics.....	794		
Heating equipment used.....	796, 933, 935		
Race and region.....	794		
Selected characteristics.....	932		
Tenure and race.....	792		
Type of structure and region.....	932		
Outlying areas of U.S.....	887		
Owner-occupied.....	790, 792, 795, 801		
Personal consumption expenditures.....	442		



	Page		Page
Income—Continued		Industrial pollution, expenditures for abatement	216
Disposable personal income—Continued		Industrial production, indexes	806
Per family in relation to life insurance	548	Foreign countries	910
Distribution	445, 450, 452-454, 459, 462	Industrial research and development	623, 624, 626, 627, 629
Families and unrelated individuals	450, 452, 454, 459, 460	Industrial securities	545, 546
Age 65 years old and over	34, 466	Industry. <i>See</i> Corporations and individual industries.	
Aggregate income	457	Infant death ( <i>see also</i> Deaths and death rates)	61, 77-79
Below poverty	438, 463, 464, 466	Infanticides	187
Women	469	Inflation. <i>See</i> Prices, consumer, and Consumer price indexes.	
Black families and/or unrelated individuals	452, 454, 460	Influenza and pneumonia deaths	78, 79
By characteristics of family	458	Inhalants	129
By characteristics of householder	461	Inheritance taxes	291
By race and age of householder	459	Injuries	124, 127, 664
By residence, region, and tenure	461	Industrial	433, 434, 761
Characteristics, by income level	453	Transportation	641
Characteristics, by type of income	468	Installment credit, consumer	522, 540
College students, by family income level	169	Institutional care facilities	119
Credit card use	541	Institutional population	53, 54
Median income	450-454, 456, 457, 459, 460, 687	Criminals	200, 202-204
By race of householder	456, 460	Mentally ill and retarded	121, 122
Outlying areas of U.S.	889	States	54
Per capita income	455, 457, 458	Institutions. <i>See</i> Hospitals.	
Poverty	463-465, 468	Institutions of higher education. <i>See</i> Education.	
Taxes paid, selected cities	317	Instruments and related products:	
Type of income	457	Defense-oriented shipments	373
Farm	444, 445, 682, 698-703	Foreign trade	880, 882
Flow of funds	525, 527	Manufacture	818, 819
Gross national product	440	Employees	413, 818-820
Health care coverage by income level	109	Capital invested per employee	561
Loss from short-term sickness	347	Expenditures, plant and equipment, new	819
Mean (average) income, families	457, 458	Firms, mergers, and acquisitions	575
Median income	39, 453, 455, 456, 459, 462	Injury rates	434
By age, and sex	463	National income, origin in	444
Ratio, women to men	422	Production indexes	806
Standard metropolitan statistical areas	456, 457	Stockholders' equity, profit rates on	574
States	455	Insurance as component of saving	449
Minority races	450, 453, 454, 459	Insurance business ( <i>see also</i> Finance, insurance, and real estate and Social insurance):	
National income	441-443, 445	Advertising expenditures	598, 599
Industrial origin	444	Automobile insurance	647
Originating in farming	697	Casualty, marine, and fire insurance	552
Originating in manufacturing	804	Employees	415, 419
Per capita	440	Benefit plans	346
National wealth, components	474	Equity, wealthholders	472
Nutritional intake, by income level	132	Federal deposit insurance coverage	531
Personal	442, 445, 451, 689	Flow of funds	526, 527
Family outlays for	492	Health and medical insurance	108, 109, 551
Per capita	440, 446	Life insurance	548, 550
Saving	449	In force	346, 548, 549
States	446, 447	Uses and sources of funds	529
Appalachia	470	Veterans	388, 389
Personal consumption expenditures compared with income	440	Mortgages	539
Physicians, by geographic division	113	National income, origin in	444
Race of persons receiving	450, 452, 462	Property and liability	552
Saving	449	U.S. securities held by insurance companies	278
Sex of persons receiving	454, 462	Workmen's compensation payments	353
States, personal income	446	Insurance, Government. <i>See</i> Social insurance.	
Stock ownership, by income level	547	Insurance, medical care	104, 106-109, 346, 428, 551
Supplemental security income	335, 354, 357, 358	Insurance, social. <i>See</i> Social insurance.	
Income tax ( <i>see also</i> Taxation):		Inter-American Development Bank	867
By level of earnings	272	Intercity traffic	637, 639, 640, 658
Corporation	288, 276, 288, 292, 305, 566	Interest:	
Percent distribution and per capita	289	Federal Government	261
Returns, by asset class	276, 566	Payments:	
Individual	268-275, 288, 292, 297, 299, 305	Corporations	566
Average tax by income level	271	Federal Government	257, 259, 260, 262
Nontaxable returns	271	Debt	277
Percent distribution and per capita	289	Railroad	680
Returns filed, by marital status and income level	268	State and local government	296, 304, 312
Sales of capital assets	275	War loans	370
States	273, 275, 299, 305	Receipts:	
Personal, family outlays for	490, 492	Corporation income tax returns	257, 260, 262
State individual income taxes	306	Individual income tax returns	257, 260, 262, 269, 274
Independent telephone companies	584	National and personal income component	443, 445
Index numbers. <i>See</i> Individual subjects.		Intermediate labor unions	430
India. <i>See</i> Foreign countries.		Internal revenue collections ( <i>see also</i> Taxation)	257, 260, 268-272, 275
Indian lands	237, 241	Internal waterways, traffic	675, 676
Indiana. <i>See</i> State data.		International affairs:	
Indians, American	37, 38	Balance of trade	872
Federal expenditures for education	142	Commerce	872, 874-878, 882-884, 892
School enrollment	140, 155	Foreign countries	920, 921
Indonesia. <i>See</i> Foreign countries.		Consumer price indexes	912
Industrial accidents	82	Federal expenditures	142, 261, 262, 294
Industrial advertising expenditures	599	Foreign exchange rates	927
Industrial and commercial enterprises, failures	576, 577	Foreign investments in U.S.	864
Industrial building, construction	781-784	Gross national product	910
Industrial chemicals, value of shipments	826	Growth rate, economic	439
Industrial injuries	434, 761		

	Page		Page
International affairs—Continued		<b>J</b>	
Health and medical	905	Jails	200, 202
Indexes of consumer prices	910	Jamaica. <i>See</i> Foreign countries.	
Indexes of industrial production	910	Japan. <i>See</i> Foreign countries.	
International transactions	856, 859-861, 863	Japanese, number in U.S.	37, 38
Multinational companies	571, 572	Jewelry:	
Receipts and payments for transportation	674	Advertising expenditures	598, 599
Revenue losses due to Federal tax laws	266	Manufacture, employees	818, 819
Schools and education	803, 804	Personal consumption expenditures	442
U.S. Government aid	866-871	Retail trade	843, 846
U.S. investments	863-865	Job analysts, average salary increase	424
International Bank for Reconstruction and Development	867	Job Corps	177
International Development Association	867	Job openings, nonfarm	405
International Finance Corporation	867	Jogging	125, 245
International investment position, U.S.	863-865	Jordan. <i>See</i> Foreign countries.	
International mail (U.S. postal)	581, 582	Journalism and English students	170
International Monetary Fund	863	Judgeships	198
Interracial marriages	44	Judicial service (Federal):	
Inventories ( <i>see also</i> Stocks, commodity):		Budget outlays and authority	264
Business	437, 439, 562, 565	Courts, U.S.	185-197
Inventory valuation adjustment	564	Employees and payrolls	279, 281
Federal real and personal property, cost	372	Expenditures	262
Iron and steel industry	829	Juices	131, 724
Manufacturers'	562, 563, 807, 809	Junior colleges ( <i>see also</i> Education)	166, 167
Merchant wholesalers	563	Jute and jute manufactures, foreign trade	484
Retail trade	562, 563, 841, 842	Juvenile correction facilities	199
Strategic and critical materials	762	Juvenile court, cases handled	199
Value as component of national wealth	474	Juvenile delinquency	189, 191, 199, 201, 223
Wholesale trade	562, 848, 850		
Investment companies, uses and sources of funds	529	<b>K</b>	
Investments ( <i>see also</i> Securities):		Kampuchea. <i>See</i> Foreign countries.	
Allocation to Federal power plants	614	Kansas. <i>See</i> State data.	
Foreign, in U.S.	860, 861, 863, 864	Kentucky. <i>See</i> State data.	
Life insurance companies	550	Kenya. <i>See</i> Foreign countries.	
Manufacturing industries	809	Kerosene, production	766
Nonfinancial corporations	559	Kidnaping	201
Nonresidential by structure	581	Knit-goods, manufacture	414, 814, 815
Private domestic, gross	439, 441, 449, 559	Korea. <i>See</i> Foreign countries.	
Revenue losses due to Federal tax laws	267	Kuwait. <i>See</i> Foreign countries.	
State and local government	293		
U.S. Government obligations	278, 533, 537, 565, 568	<b>L</b>	
U.S. international	860, 861, 863-865, 867	Labor force. <i>See</i> Employment and labor force.	
lowa. <i>See</i> State data.		Labor strikes and lockouts	431, 432
Iran. <i>See</i> Foreign countries.		Labor turnover rates in manufacturing	405
Iraq. <i>See</i> Foreign countries.		Labor unions	57, 426, 428-432
Ireland (Eire). <i>See</i> Foreign countries.		Collective bargaining settlements	427
Iron:		Wage rates, 10 largest cities	426
Ore	774	Laborers ( <i>see also</i> Farmers and farmworkers):	
Foreign trade	763, 774, 880	Allens	96
Mining industry	756, 757	Immigrants	91
Output per hour	417	Married women	405
Prices	754	Median earnings	424
Imports	484	Race and sex	419-421
Wholesale indexes	830	Sex	418-420
Production	755, 759, 762, 774	Lakes	212
U.S. as percent of world	750	Lamb and mutton ( <i>see also</i> Meat and meat products)	131, 725
World	774, 895	Lambs. <i>See</i> Sheep and lambs.	
Reserves	755	Lamp bulbs and tubes	833
Pig:		Land ( <i>see also</i> Farms and Public lands):	
Production	762, 829, 895	Area:	
U.S. as percent of world	750	Cities	24-26
Wholesale price indexes	830	National parks	243
Iron and steel products ( <i>see also</i> Metals and metal products):		Outlying area of United States	209, 887
Foreign countries, steel	914, 915	United States	6, 8, 234, 239
Foreign trade	829, 880, 882	Farmland	686, 690-692, 695
Areas	878	Irrigated	695
Imports as percent of consumption	764	Federal land	237, 239
Manufacture	816, 817	Forest, area and ownership	731, 732
Capital appropriations and expenditures	812	Indian lands	241
Employees	413, 816, 817	Ownership	234, 237, 239
Expenditures for plant and equipment, new	562, 817	Parks	242, 244
Output per hour	417	Utilization	234, 695
Production	762, 829	Value as component of national wealth	474
Shipments	821, 822, 830, 831	Language (foreign), degrees conferred	175
Summary	829	Laos. <i>See</i> Foreign countries.	
Prices:		Larceny	185, 186, 189, 197, 201, 203
Export (scrap)	484	Lard	131, 710, 721
Producer indexes	482, 785, 830	Latex. <i>See</i> Rubber and rubber goods.	
Production, U.S. as percent of world	829		
World production (crude steel)	895		
Irons, electric	796, 835		
Irrigation	239, 695		
Israel. <i>See</i> Foreign countries.			
Italy. <i>See</i> Foreign countries.			
Ivory Coast. <i>See</i> Foreign countries.			

	Page
Latin American Free Trade Association, U.S. trade .....	874
Laundries .....	420, 852
Laundry appliances .....	832, 835
Law, degrees conferred .....	174, 175
Law enforcement, Federal courts, and prisons:	
Arrests .....	178, 189-191
Black elected officials .....	514
Courts .....	195-199
Criminal justice system .....	192
Police .....	192-194
Prisons and prisoners .....	200, 202-204
Law firms .....	195
Law students .....	170
Lawnmowers, shipments and retail value .....	835
Lawyers and judges .....	195, 418
Lead and zinc ores, mining industry .....	756, 757
Lead, summary .....	773
Castings, shipments .....	831
Foreign trade .....	763, 773
Mining industry .....	756, 757
Prices, New York and London .....	754, 773
Production and supply .....	759, 773
Production, U.S. as percent of world .....	750
Reserves .....	755
World production .....	755, 762, 773
Leases, permits and licenses, public lands .....	241
Leather and leather products ( <i>see also</i> Hides and leather products and Footwear:	
Foreign trade .....	892
Manufacture .....	816, 817
Employees .....	414, 816, 817, 820
Capital invested per employee .....	561
Expenditures for plant and equipment, new .....	817
Firms, mergers, and acquisitions .....	575
Injuries .....	434
National income, origin in .....	444
Production indexes .....	806
Producers price indexes .....	481
Lebanon. <i>See</i> Foreign countries.	
Leeward and Windward Islands, U.S. trade .....	875
Legal services:	
Employees .....	284, 839
Lawyers, characteristics .....	195
Lawyers, salaries .....	424
National income, origin in .....	444, 838
Legislative service (Federal):	
Budget authority and outlays .....	264
Employees and payrolls .....	279, 281
Expenditures .....	262
Officials, salaries .....	283
Legislatures, State, composition .....	513
Lemons .....	723
Lend-lease, grants and credits .....	866
Leprosy .....	126
Lesotho. <i>See</i> Foreign countries.	
Lettuce .....	705, 723
Liberia. <i>See</i> Foreign countries.	
Libraries .....	176
College expenditures for .....	172
Employees .....	284, 324, 418
Payrolls .....	324
Federal grants-in-aid for .....	142
Library science, degrees conferred .....	175
Libya. <i>See</i> Foreign countries.	
License and permits taxes .....	291, 304, 305, 312
Licensed drivers, by age-groups .....	647
Licenses, permits, etc.:	
Drivers licenses, by States .....	649
Fishing and hunting .....	247
Public lands .....	241
Life expectancy .....	72, 73
Foreign countries .....	896, 901, 902
Life insurance .....	548, 549
Assets, earning rate, liabilities, etc. ....	526, 548, 550
Companies, mortgage loans outstanding ..	540
Acquisition of investments .....	550
Veterans .....	388, 389
Life sciences .....	630, 632
Employment .....	628
Research, U.S. Government obligations for ..	625
Light and power. <i>See</i> Electric lights, etc.	
Lighting equipment, manufacture .....	818, 819
Lime, summary .....	771
Farm use .....	707
Production and value .....	758, 771
Limestone .....	772, 829
Liquor law violations .....	190, 191
Liquors and beverages .....	823
Advertising expenditures .....	599
Imports .....	881
Prices .....	484

## Liquors and beverages—Continued

Personal consumption expenditures .....	442
Retail trade .....	836, 840, 842, 843, 846
State liquor stores, revenue and expenditure ..	286, 291,
296, 304, 312	
Supply and utilization .....	705
Taxes .....	268, 304, 305
Governmental revenue .....	290
Wholesale trade .....	848, 850
Lithographing, shipments .....	821
Livestock. <i>See</i> Animals, domestic, and individual classes.	
Livestock farms and ranches, number .....	694
Living cost. <i>See</i> Consumer price indexes and Prices.	
Loans and grants, Federal government .....	265
Loans and mortgages ( <i>See also</i> Debt):	
Banks .....	533, 534, 537, 539, 544
Construction loans .....	539, 544
Credit market, flow of funds .....	528, 527
Credit unions .....	537, 540
Farm. <i>See</i> Farm mortgage loans.	
Federal government loans .....	265
Federal Housing Administration .....	539, 800-802
Yields, home mortgages .....	522
Foreign countries .....	538
Held by financial institutions .....	539, 540, 801
Home mortgage loans .....	539, 800-802
Insurance companies .....	539, 550
Interest rates .....	541, 544
Land loans .....	539
Minority-operated small businesses .....	556
Mortgages, nonfarm homes .....	539, 540, 545, 801, 802
Personal loans .....	540
Rural Electrification Administration, loans ..	614
Savings and loan associations .....	536
Veterans .....	385, 389, 539, 800, 802
Wealthholders .....	472
Loobsters .....	741, 744-746, 749
Local government. <i>See</i> Individual governmental units and State and local government.	
Locomotives (railroad) .....	660, 661
Logging camps and contractors, earnings .....	735
Lotteries .....	248, 307
Louisiana. <i>See</i> State data.	
Louisiana Purchase .....	207, 208, 237
Lubricants, grease and oil, advertising .....	598
Luggage, manufacture .....	818, 819
Lumber and allied products:	
Earnings .....	735
Foreign trade .....	736, 737, 881
Waterborne commerce .....	676
Manufacture .....	814, 815
Consumption and stocks .....	734, 736
Employees .....	413, 814, 815, 820
Capital invested per employee .....	561
Labor unions .....	430
Energy used .....	820
Expenditures, new plant and equipment .....	815
Firms, mergers and acquisitions .....	575
Injury rates .....	434
National income, origin in .....	444
Prices .....	735
Import .....	484
Producer .....	481, 483, 730, 735, 785
Production .....	736, 737
Indexes .....	806
World .....	895
Shipments .....	830
Sawmills and planing mills .....	822
Railroad, car loadings of .....	663
Retail trade .....	840, 843
Wholesale trade .....	848, 850

## M

Macao, population and area .....	899
Machine tools .....	880
Machinery ( <i>see also</i> individual classes):	
Exports, U.S. as compared to world .....	813
Farm, expenditures for and number on .....	707
Farm input indexes .....	708
Foreign trade .....	878-881
Investments, multinational companies .....	571
Manufacture .....	818, 819
Capacity utilization rates .....	808
Capital appropriations and expenditures ..	812
Corporation sales, profits, and dividends ..	570

	Page		Page
Machinery—Continued		Manufacturing Industry —Continued	
Manufacture—Continued		Employees—Continued	
Employees .....	413, 818-820	Labor unions .....	430
Labor unions .....	430	Minority races .....	411
Scientists and engineers .....	829	Scientists and engineers .....	829
Energy used .....	820	States .....	810, 811, 813
Expenditures, plant and equipment, new .....	562, 819	Women .....	404
Multinational companies .....	572	Expenditures:	
Research and development .....	626	Payrolls .....	808
Firms, mergers and acquisitions .....	575	Plant and equipment, new .....	562, 810, 811, 819
Injury rates .....	434	Industry groups .....	815, 816
National income, origin in .....	444	Multinational companies .....	572
Production indexes .....	806	States .....	810, 811
Shipments .....	830, 832, 833	Research and development .....	626, 629
Accounted for by largest companies .....	821, 822	Firms:	
Value and receipts, defense-oriented industries .....	373	Failures .....	577
Stockholders' equity, profit rates on .....	574	Legal form of organization .....	557, 808
Wholesale trade .....	848, 850	Merchandising, sales, by group rank .....	570
Producer price indexes .....	482	Mergers and acquisitions .....	575
Mackerel .....	744, 745, 747, 748	Minority-owned .....	558
Madagascar. <i>See</i> Foreign countries.		Owned by women .....	558
Magazine advertising expenditures .....	597, 599, 758	Selected data .....	808
Magnesium:		Foreign countries .....	914, 915
Production and value .....	758	Fuels and electric energy .....	820
Production, U.S. as percent of world .....	750, 762	Gross product, current and constant dollars .....	441
Shipments of mill products and castings .....	831	Income and receipts .....	557, 567
World production .....	762	Income tax returns, by asset-size .....	567
Mail, foreign countries ( <i>see also</i> U.S. Postal Service) .....	922, 923	Injuries .....	434
Mail-order houses .....	840, 842, 846	Inventories .....	562, 563, 805, 807
Maine. <i>See</i> State data.		Investments .....	884, 865
Malaria .....	126	Multinational companies .....	571
Malawi. <i>See</i> Foreign countries.		Labor turnover rates .....	405
Malaysia. <i>See</i> Foreign countries.		Lagging indicators .....	584
Mail. <i>See</i> Foreign countries.		Leading indicators .....	584
Malignancies, deaths .....	78, 79	Motor vehicles and equipment .....	648
Malpractice insurance costs .....	113	National income, origin in .....	444, 804
Mail liquors ( <i>see also</i> Liquors and beverages) .....	823	Orders and shipments .....	373, 807
Advertising expenditures .....	598, 599	Outlying areas of United States .....	890-892
Output per hour .....	417	Output as related to capacity .....	807
Wholesale trade .....	850	Output per hour .....	393, 416, 417
Malta. <i>See</i> Foreign countries.		U.S. and foreign countries .....	913
Malted milk powder, production .....	727	Payrolls .....	805, 807
Managers. <i>See</i> Proprietors, etc.		Industries .....	814, 819
Manganese:		States .....	810, 811
Foreign trade .....	763	Producer price indexes .....	479, 480
Import prices .....	484	Production indexes .....	806
Mining industry .....	756, 757, 764	Profits .....	557, 573, 574
Production and value .....	755, 758	Proprietors and firm members .....	805
Reserves .....	755	Sales .....	563, 569, 570
Manmade fibers and fabrics ( <i>see also specific items</i> ) .....	824, 825	Securities issued .....	545
Manufacture, output per hour .....	417	Shipments .....	812, 820, 831, 832, 835
Producer price indexes .....	481	Accounted for by largest companies .....	821, 822
Manned space flight .....	634	Castings .....	831
Manufactured products ( <i>see also individual products</i> ):		Farm equipment .....	832
Exports, U.S. as compared to world .....	813	Value, electrical machinery .....	833
Foreign trade .....	873, 878, 879	Space vehicle systems .....	634
Individual commodities .....	879-882	Stockholders' equity, profit rates on .....	574
Production indexes .....	806	Unemployment .....	410
Quantity and value indexes .....	873	Value added .....	373, 805, 807, 808, 810, 811, 814-819, 821, 822
World production .....	895	Defense-oriented industries .....	373
Manufacturers' excise taxes .....	268	Geographic divisions .....	809
Manufacturers' sales branches, offices .....	848	Share accounted for by largest companies .....	568, 821
Manufacturing industry ( <i>see also individual industries</i> ) .....	805, 806, 811, 812, 814, 815	Wages and salaries .....	445, 807
Acquisition and mergers .....	575	Marble, sales .....	772
Advertising expenditures .....	599	Margarine .....	131, 721
Assets, profits, etc .....	567, 569	Mariana Islands .....	886
Building fires .....	552	Marihuana .....	129, 197
Capacity utilization .....	806, 807	Marine communication, radio stations .....	588
Capital appropriations and expenditures .....	812	Marine Corps .....	374-377, 379, 380
Capital expenditures .....	805, 807, 808, 815-817, 819	Personnel, desertion and AWA rates .....	378
States .....	810, 811	Reserve costs .....	380
Capital, fixed .....	560, 561	Retirees, civilian .....	282
Capital, fixed, net stocks .....	809	Marital status of population .....	41, 43, 46, 51, 58, 83-87
Coincident indicators .....	564	By presence of children .....	52
Collective bargaining settlements .....	427	By sex and age .....	44
Companies, capital .....	812	Black, by sex .....	42
Corporations .....	568-570	Couples with or without own household .....	45
Corporations, partnerships, and proprietorships .....	557, 808	Householder .....	43, 51
Depreciation .....	809	Immigrants .....	91
Employees .....	406, 411-415, 805, 807, 808, 810-812, 814, 819, 821	Interracial couples .....	44
Capital invested per employee .....	561	Labor force participation rates .....	401
Earnings .....	421-423	Members of Congress .....	511
States .....	423, 810, 811	Number and rate, by States .....	86
Geographic divisions .....	809	Outlying areas of U.S. .....	887
Industries .....	413-415, 814, 819, 820	Percent single, by age and sex .....	43
Injury rates .....	433	Persons 65 years old and over .....	34
		Spanish-American .....	42, 46
		Tax returns filed .....	268
		Unmarried couples by presence of children .....	44
		Women in the labor force .....	402, 403, 405

	Page		Page
Marriage and divorce .....	58, 61, 83-87	Metals and metal products—Continued	
First marriages, women .....	71	Manufacture ( <i>see also individual industries</i> ) .....	816-819
Median age at first marriage .....	83	Corporation sales, profits, and dividends .....	570
Outlying areas of U.S. ....	888	Defense-oriented industries .....	373
Rates .....	58, 61, 83, 86, 87	Employees .....	413, 761, 816-820
Remarriages .....	83, 84	Capital invested per employee .....	561
States .....	85-87	Labor unions .....	430
Status, by sex and age .....	41, 43, 84	Energy used .....	820
Married persons. <i>See</i> Marital status.		Expenditures:	
Martinique, population and area .....	899	Plant and equipment, new .....	562, 817, 819
Maryland. <i>See</i> State data.		Multinational companies .....	572
Masons and tile setters .....	420	Research and development .....	826
Massachusetts. <i>See</i> State data.		Firms, mergers, and acquisitions .....	575
Maternal and child health service, expenditures for ....	104,	Injury rates .....	434
	332, 333	National income, origin in .....	444
Mathematics:		Stockholders' equity, profit rates on .....	574
College students .....	170	Producer price indexes .....	482, 483, 785
Degrees conferred .....	175, 632	Production and value .....	752, 753, 758, 759, 762
Salary offers .....	170	Indexes of production .....	752, 753, 806
Employment in .....	284, 628, 630	World production .....	762, 895
School enrollment for advanced degrees .....	631, 632	Railroad, car loadings of .....	663
Mauritania. <i>See</i> Foreign countries.		Shipments of metal products .....	830
Mauritius. <i>See</i> Foreign countries.		Spot market price indexes .....	482
Measles .....	126	U.S. and world production .....	750, 762
Meat and meat products ( <i>see also individual meats</i> ) .....	725	Wholesale prices .....	754
Consumption .....	131, 725	Wholesale trade, sales, and inventories, etc. ....	548
Federal inspection .....	725	Metalworking machinery:	
Foreign trade .....	711, 725, 879, 881	Exports .....	880
Frozen food production .....	724	Manufacture .....	818, 819
Manufacture .....	814, 815	Metric conversion factors .....	894
Employees .....	414, 814, 815	Metric weights and measures .....	xii
Meat cutters and butchers .....	420	Metropolitan areas, average price of heating gas .....	494
Production .....	725	Mexican War, cost .....	370
World and foreign .....	895, 919	Mica .....	758, 762, 764
Prices:		Michigan. <i>See</i> State data.	
Farm value .....	707	Microwave ovens .....	796, 836
Producer price indexes .....	481	Migration .....	13, 18
Retail price indexes .....	487	Farm .....	685
Retail trade .....	846	Foreign countries .....	902
Mechanics and repairmen .....	420	Regions .....	15
Medicaid .....	348, 349	States .....	13, 27
Medical assistance for the aged .....	354	Migratory workers .....	96, 708
Medical care ( <i>see also</i> Health care):		Military aid by U.S. Government ....	370, 856, 860, 861, 866,
Costs .....	490, 492		867, 870
Office visits .....	113	Military aircraft .....	674
Expenditures for .....	103-106, 334, 442	Military Assistance Program, shipments .....	872
Per capita .....	105	Military construction, value .....	781, 782
Insurance benefits .....	108, 109, 346, 551	Military expenditures, worldwide .....	367, 369
Claims and reimbursements .....	348	Military science, degrees conferred .....	175
Enrollment and charges .....	347	Military services ( <i>see also</i> Veterans affairs) .....	374
Expenditures for .....	104, 106	Casualties .....	377
Price indexes .....	103, 107, 477, 486, 487, 489	Cost per soldier .....	375
Medical research .....	105	Court-martial cases .....	203
Medical schools:		Discharges, by type .....	378
Degrees conferred .....	175, 632	Expenditures .....	368, 374
Foreign graduates .....	110	Reserves .....	380
Number, students, graduates .....	110	Foreign countries .....	924
Medical sciences, employment .....	630	Pay rates .....	379
Medical services. <i>See</i> Health and medical services.		Payroll .....	375
Medicare and Medicaid, Federal outlays for ....	106, 260, 334	Personnel .....	375-377, 380
Medicinal chemicals .....	826	Foreign countries .....	377
Medicines. <i>See</i> Drugs and medicines.		National Guard .....	380
Melons .....	723	Veterans served in Vietnam .....	382
Members of Congress. <i>See</i> Congress, U.S.		Women .....	375
Memorials, national .....	242	Procurement actions .....	372
Menhaden .....	744-747	Sales to foreign countries .....	371
Meningitis .....	78, 126	Selective service:	
Mental hospitals .....	114-116, 121, 122	Inductees .....	379
Mentally retarded .....	53, 54, 121, 122, 362	By war .....	377
Merchandise. <i>See</i> Foreign trade and General mer-		Violations, disposition of defendants .....	378
chandise.		Wages and salaries as income components .....	443
Merchant vessels .....	678	Military ships, by type and country .....	926
Employment and wage scale .....	680	Milk:	
Foreign countries .....	681, 920, 921	Consumption .....	131
Number .....	678, 679, 881	Milk products .....	727
Horsepower .....	802	Shipments accounted for by largest companies .....	822
Lost .....	880	Prices:	
World .....	895	Retail .....	705, 727
Merchant wholesalers .....	848, 895	Wholesale .....	727
Sales and inventories .....	563	Producer price indexes .....	481
Mercury (quicksilver) .....	758, 762, 764	Production .....	727
Mergers and acquisitions of concerns .....	575	Sales .....	727
Metal mines. <i>See</i> Mining and quarrying.		Millinery .....	814, 815
Metals and metal products ( <i>see also individual</i>		Millwork:	
<i>metals</i> ) .....	753, 754, 758, 760, 762, 763	Earnings .....	735
Employees in mineral industries .....	756, 757, 761, 763	Manufacture, summary .....	814, 815
Foreign trade .....	879, 880, 882	Producer price indexes .....	481, 785
Areas .....	878	Milo. <i>See</i> Sorghums for grain.	
Imports as percent of consumption .....	764	Mineral land, public .....	240, 241
Investments, multinational companies .....	571	Minerals and mineral products ( <i>see also</i> Mining and	
		smelting and <i>individual minerals</i> ):	
		Foreign trade .....	763
		Waterborne commerce .....	676

	Page		Page
Minerals and mineral products—Continued		Population—Continued	
Fuels, production and consumption	602	Components of change	26
Imports as percent of consumption	764	Ethnic origin	35
Industries, summary	756, 757	Institutional	53
Manufacture, summary	816, 817	Migration	18
Nonmetallic minerals	663, 754	Residence	18
Price indexes	754	Selected cities	24-26
Production	752, 753, 755, 758-760, 762	States	36, 38
Foreign countries	916, 917	Urban and rural	17, 37
Indexes	806	Schools and education, enrollment	148, 156
Value	758-760	Compared with total students	156
Reserves	755	Higher education institutions	167
Strategic and critical materials	762	Suicides	186, 188
U.S. and world production	750, 762	Unemployment	407, 409
Value	752, 754, 758-760	Men, veterans status	382
Wholesale prices	754	Mint for oil	723
Producer price indexes	482	Mississippi. <i>See</i> State data.	
Wholesale trade	848	Mississippi River traffic	676
Minimum wage rates	425	Missouri. <i>See</i> State data.	
Mining and smelting:		Mixers (food)	798, 835
Assets	567, 570	Mobile homes	787, 788, 932
Corporations, partnerships, and proprietorships	557	Gross net stocks	789
Earnings, by country	763	Loans	541
Employees	406, 411, 413, 420, 752, 755-757, 760	New homes, by region and price	787
Earnings	421, 761	Mobility status of population	16, 18
Injury rates	433	Molasses	721
Labor unions	430	Molybdenum, summary	775
Minority races	411	Foreign trade	763, 775
Production workers	413, 752, 817	Production and value	755, 759, 775
Science and engineering technicians	629	Production, U.S. as percent of world	750
States	412	Reserves	755
Women	404	World production	762
Expenditures:		Monetary system and banks:	
Plant and equipment, new	562, 752, 756, 757	Flow of funds	526
Multinational companies	572	Money (see also Banks and Money rates)	541, 542
Firms	557, 752, 755	Money market rates	543, 544
Failures and liabilities	577	Money orders (postal)	580, 581
Mergers and acquisitions	575	Money rates:	
Foreign countries, production	916, 917	Discount, Federal Reserve Bank of New York	522, 544
Gross product, current and constant dollars	557, 570, 573	Foreign exchange	927
Income, profits, and receipts	756, 757, 761	Market	543
Industrial summary	756, 757, 761	Montana. <i>See</i> State data.	
Injuries	82, 761	Monuments, national	242
Investments	764, 865	Morocco. <i>See</i> Foreign countries.	
National income, origin in	444, 752	Mortgages. <i>See</i> Loans and mortgages.	
Output per hour	417	Motels, tourist courts	851, 852
Payrolls	756, 757	Motion picture industry:	
Production and consumption	752	Employees	415, 839
Production indexes	806	National income, origin in	838
Sales	570	Production, distribution services	852
Shipments and value added	752, 756, 757	Theaters	851, 852
States	755	Motor fuel:	
Unemployment	410	Advertising expenditures	598
Value added	755	Consumption, motor vehicles	653
Wages and salaries	445, 752	Prices, retail	766
Minnesota. <i>See</i> State data.		Production	766
Minority races (see also Black population):		Supply	654
Abortions	69, 71	Taxes	304, 305
Age and/or sex	28, 33, 37	Sales and receipts	297
Aid to families with dependent children	358	States	655
Arrests, number and crime	190	Motor homes	653
Births and birth rates	62, 64-66	Motor vehicles	650
Businesses operated by, loans	556	Accident/deaths	78, 81, 82, 124, 641, 646, 647
Businesses owned by	558	Advertising expenditures	598, 599
Deaths and death rates	73-75, 77	Automobiles, factory-installed equipment	652
Employment status	396, 411	Cars and trucks in use	651
Federal, civilian	284	Common carriers	637, 639, 656-658
High school graduates and dropouts	164	Employees	657, 658
Nonagricultural industries	411	Cost of operation, automobile	654
Part-time	407	Dealers, franchises	847
State and local government	320	Drivers licenses, by States	649
States	409	Licensed drivers, by age-group	847
Farm population	686, 687	Emission controls	652
Fertility	61	Farm expenditures	707
Homicides	186	Foreign countries	920, 921
Householder	45, 48, 50	Foreign trade	650, 651, 873, 878, 880, 881
Housing units	792-794, 796	Fuel consumed	653
Income:		Horsepower	602
By characteristics of householder	461	Insurance	552, 647
Families and unrelated individuals	450, 451, 454, 456, 459	Manufacture	818, 819
Poverty (low income)	465, 466, 468	Capital appropriations and expenditures	812
Recipients, by income level	462	Corporation sales, profits, and dividends	570
Labor force	394, 399	Employees	413, 818, 819
Life expectancy	72, 73	Capital invested per	561
Marital status	42	Establishments, payrolls, employees	648
Occupations	109, 421	Expenditures, new plant and equipment	562, 819
Sex and educational attainment	152	National income, origin in	444
Population:		Production and value	651
Age and/or sex	28, 37	Research and development expenditures	626

	Page		Page
Motor vehicles—Continued		National Guard	380
Manufactures—Continued		National health expenditures	103, 104
Sales	648, 650	Percent of GNP	104
Shipments	830	National income	440-444, 836, 838
Accounted for by largest companies	821	Originating in domestic trade	445, 837
World production	895	Originating in farming	804
Number on farms	707	Originating in manufacturing	752
Ownership of, by annual income	653	Originating in mining	449
Parts, value of shipments	832	National income and product accounts	259, 430
Pollutant emissions	217	National labor unions	242, 243
Prices	651	National parks	438-442, 910
Consumer indexes	487	Economic growth rates	440
Producer indexes	482	Foreign countries	910
Railroad, carloadings of	663	National Science Foundation	625
Recalled for safety defects	652	Employment	282
Recreational vehicles	653	Expenditures, space program	633
Registrations	648-650, 654	National Service Life Insurance	389
Repair shops, rental service, etc.	852, 853	National stockpile	762
Retail trade	648, 840, 842, 843, 845, 846	National wealth	440, 474
Sales	648, 836	NATO countries, military expenditures	367, 369
Scrapped	650	Natural gas. <i>See</i> Gas.	
Taxes	650, 654	Natural resources:	
License and motor fuel	304	Employment and payrolls	318
Theft	182-185, 190, 191, 197, 203	Expenditures:	
Travel and speed	646	Federal	262, 265, 288, 290, 291, 293, 294
Value of shipments	834	State and local government	288, 290, 291, 293, 296,
Wholesale trade	848, 850	304	
Establishments, payrolls, employees	648	State governments, by State	303
Producer price indexes	482	Governmental revenue	290
Motorcycles ( <i>see also</i> Bicycles)	645, 648, 649, 882	Revenue losses due to Federal tax laws	266
Motors and generators	833	Naturalization	99, 100
Mozambique. <i>See</i> Foreign countries.		Nature study (recreation)	243
Mullet, catch	747	Navy	375-380
Multinational companies	571, 572, 851	Navy, Department of:	
Multinut companies ( <i>see also</i> Retail trade)	807, 841, 843	Employment, civilian	281
Mumps	126	Retirees	282
Municipal and county parks	244	Expenditures	368
Municipal and State bonds	545, 546	Research and development	625
Municipalities. <i>See</i> Cities and Standard metropolitan		Military forces	374
statistical areas.		Procurement actions, net value	372
Murders. <i>See</i> Homicides.		Property, real and personal	372
Museums	250	Nebraska. <i>See</i> State data.	
Mushrooms, canned	724	Negro population. <i>See</i> Black population.	
Music, degrees conferred	175	Neonatal deaths ( <i>see also</i> Deaths and death rates)	77
Musical instruments	818, 819	Nepal. <i>See</i> Foreign countries.	
Advertising expenditures	599	Netherlands. <i>See</i> Foreign countries.	
Foreign trade	882	Netherlands Antilles:	
Musicians, symphony orchestras	250	Area and population	899
Mutton ( <i>see also</i> Meat and meat products)	131, 725	U.S. trade	875, 884
Mutual funds	547	Nevada. <i>See</i> State data.	
		New England County Metropolitan Areas	21-23, 952
		New Hampshire. <i>See</i> State data.	
		New Jersey. <i>See</i> State data.	
		New Mexico. <i>See</i> State data.	
		New York. <i>See</i> State data.	
		New York Stock Exchange	545-547
		News dealers, retail trade	846
		Newspapers and periodicals:	
		Advertising expenditures	597, 599, 758
		Circulation and receipts	591, 593
		Copyrights	594
		Establishments	590
		Foreign countries	922, 923
		Frequency of publication	591
		Manufacture, summary	816, 817
		Employees	414, 590, 816, 817
		Payrolls	590
		Shipments, largest companies	593, 822
		Newsprint consumption	592, 730, 738
		Number and circulation	592
		Operating revenues	578
		Union wage rates, indexes	426
		Newsprint	730, 738
		Consumption	592, 730
		Imports	730, 882
		Prices	484
		World production	895
		Nicaragua. <i>See</i> Foreign countries.	
		Nickel	764, 776
		Foreign trade	763, 776, 882
		Import prices	484
		Mine production	755, 759, 762, 776
		Reserves	755
		Niger. <i>See</i> Foreign countries.	
		Nigeria. <i>See</i> Foreign countries.	
		Nitrogen (agriculture) production	762
		Nobel prize laureates	627
		Nonagricultural workers, job openings and place-	
		ments	405

## N

National Aeronautics and Space Administration	625
Budget authority and outlays	264
Employment	281, 633
Expenditures:	
Research and development	622, 629
Space program	623, 633, 634
National associations	57
National banks. <i>See</i> Banks.	
National Credit Union Administration, employment	281, 282
National debt. <i>See</i> Debt.	
National defense:	
Contract awards and payrolls	374
Cost of American wars	370
Employment and payrolls	318
Employment, defense-related	373
Expenditures, U.S. and foreign countries	923
Federal expenditures	257, 260-262, 288, 368
Percent distribution and per capita	289
Purchases of goods and services	439
Reserve costs	380
Federal outlays as percent of GNP	258
Military forces	374-377
Armed Forces personnel, foreign countries	925
Branch of service	379, 380
Desertion and AWA rates	378
Reserve Officers Training Corps	379
National Guard	380
Military ships, by type and country	926
Outlays	259, 366-368
Payrolls, military and civilian	375
Procurement actions, net value	372
Revenue losses due to Federal tax laws	266
Worldwide military expenditures	367, 369
National Defense Education Act	142
National forests. <i>See</i> Forests.	

	Page		Page
Nonurable goods and industries (see also individual goods and industries).....	487	Oil and gas fields:	
Consumer price indexes.....	487	Contract services, summary.....	756, 757
Manufacture:		Machinery and tools, shipments, value.....	830, 832
Capacity utilization rates.....	806	Public land, leases.....	241
Employees.....	414, 415	Oil and gas wells. See Petroleum and gas wells.	
Expenditures for new plant and equipment.....	562	Oil crops.....	702, 709
Inventories, orders, and shipments.....	807	Oil spills.....	218, 680
National income, origin in.....	804	Oils:	
Production indexes.....	806	Animal (oils and fats).....	131, 711, 713
Stockholders' equity, profit rates.....	574	Animal and vegetable:	
Personal consumption expenditures.....	439, 440	Foreign trade.....	879, 882
Producer price indexes.....	480	Producer price indexes.....	481
Retail trade, sales and inventories.....	840-842	Fish.....	748, 748
Wholesale trade, sales, and inventories.....	848, 850	Fuel. See Fuel oils.	
Nonferrous metals and products. See Metals and metal products.		Lubricating.....	87
Nonfinancial corporations.....	559, 564	Mineral. See Petroleum and products.	
Nonmetallic minerals (see also individual minerals):		Spot market price indexes.....	482
Foreign trade.....	763	Sully, disposition, and utilization (fats and oils).....	721
Industries, summary.....	756, 577	Vegetable:	
Manufacture, summary.....	816, 817	Export prices.....	484
Producer prices and indexes.....	482, 483	Foreign trade.....	710, 711, 879
Production and value.....	753, 759	Production, consumption, and stocks.....	131, 710
Production indexes.....	752, 753	Oklahoma. See State data.	
Nonresidential capital, fixed.....	560, 561	Old-age assistance, public.....	354, 357
Nonresidential fixed investment.....	561	Old-age pensions. See Pensions.	
Nonwhite population. See Black population and Minority races.		Old-age, survivors, disability, and health insurance. See Social insurance.	
North Carolina. See State data.		Olives, canned.....	724
North Dakota. See State data.		Oman, population and area.....	898
Norway. See Foreign countries.		Onions, acreage, production, value, and price.....	723
Nuclear power:		Opera, companies and performances.....	250
Commercial generation, by country.....	620	Operations performed, by type, and sex of patient.....	118
Consumption.....	603-605	Operatives and kindred workers:	
Production.....	603, 620	Immigrants.....	91
Source of energy.....	606	Married women.....	405
Nuclear reactors.....	620	Median earnings.....	424
Nuclear Regulatory Commission.....	625	Race and sex.....	418-421
Nurses.....	110, 418	Ophthalmologists.....	111
Degrees conferred.....	175	Optical (ophthalmic) goods, manufacture, summary.....	818
Nursing care, coverage by health insurance.....	108	Employees.....	414, 819
Nursing homes.....	105, 106, 108, 114, 119, 120	Retail trade.....	843
Nursing personnel, health and medical services.....	109	Optometrists.....	105
Salaries, median.....	631	Orange juice.....	705, 724
Nursing schools, students, graduates.....	110	Oranges.....	705, 723, 892
Associated with hospitals.....	176	Orchestras, symphony.....	250
Nutrition:		Ordnance and accessories, manufacture:	
Federal food programs.....	133, 134	Employees.....	413
Aid to State and local governments.....	295	Injury rates.....	434
Nutrients and nutritional intake.....	132	Oregon. See State data.	
Per capita consumption of major commodities.....	131	Ores, crude (see also individual ore):	
Nuts. See Fruits and nuts.		Car loadings.....	663
Nylon, yarn, export prices.....	484	Foreign trade.....	763, 878, 878, 881
		Mining industry.....	756, 757
		Production and value.....	759, 762
		Prices.....	754
		Organization chart of U.S. Government.....	254
		Organizations, nonprofit.....	57
		Orphans.....	361
		Osteopaths (see also Physicians).....	110
		Outboard motors.....	246
		Outdoor recreation:	
		Activities.....	243-245, 247
		Park acreage, visits, overnight stays.....	243
		State park systems.....	244
		Summary, States.....	244
		Outlying areas of United States:	
		Accession.....	207
		Adoptions (Puerto Rico).....	361
		Airports, aircraft, etc.....	670
		Allens naturalized.....	100
		Area.....	9, 207, 209, 887
		Banks.....	534
		Births and deaths.....	886, 888
		Broadcast stations.....	588
		Business summary.....	881, 892
		Climate (Puerto Rico).....	220-233
		Commerce.....	892
		Construction industry (Puerto Rico).....	892
		Crops (Puerto Rico).....	892
		Employment and labor force.....	889
		Families, income.....	889
		Farm products (Puerto Rico).....	892
		Federal aid for social welfare.....	332, 333
		Federal Government employees.....	280
		Finances.....	890
		Geographic data.....	211
		Government receipts and expenditures (Puerto Rico).....	890
		Gross product and imports (Puerto Rico).....	890



	Page		Page
Outlying areas of United States—Continued		Paperboard, wet machine board, building paper:—	
Highway projects, Federal-aid (Puerto Rico).....	644	Continued	
Hospital facilities.....	117	Producer price indexes.....	481, 735, 785
Income taxes.....	890	Papua, population and area.....	898
Libraries.....	176	Parachute jumping.....	245
Manufactures (Puerto Rico).....	891	Paraguay. <i>See</i> Foreign countries.	
Marriage and divorce.....	888	Parcel post.....	581, 582, 640
Migratory workers paroled into.....	96	Parking lots, automobile storage services.....	852
National forest (Puerto Rico).....	733	Parks.....	234, 239, 242, 244
National Guard (Puerto Rico).....	380	Employment and payrolls.....	318
National income (Puerto Rico).....	890	Parolees, number.....	199
Physicians.....	111	Particleboard.....	737
Population and area (Puerto Rico).....	899	Parties, political:	
Population and characteristics.....	9-11, 886, 887	Campaign expenditures.....	521
Components of change.....	886	Congress, composition of.....	509, 510
Public assistance.....	356	State legislatures, composition of.....	513
Savings and loan associations.....	536	Vote.....	496, 498-504, 507, 508
School lunch program.....	135	Partnerships, number and financial data.....	556, 557
Schools and education.....	139, 154, 163, 168, 173, 887-889	Law firms.....	194
Service industries.....	891	Passengers:	
Social insurance.....	341	Arrivals and departures.....	253
Sugar production (Puerto Rico).....	720	Arriving from overseas.....	252
Trade (business).....	891, 892	Carrier operation, summary.....	637, 656-658
Unemployed (Puerto Rico).....	889	Air.....	668, 670-672
Unemployment insurance.....	350-352	Rail.....	660, 662
Veterans.....	383, 386	Outlays, by type of transport.....	638
Vital statistics.....	888	Passenger traffic, volume.....	639
Output per hour ( <i>see also</i> Productivity):		Railroad accidents, by type.....	664
Farms.....	709, 710	Travelers.....	251-253
Manufacturing industries.....	416, 417	Passports issued, by characteristics of travelers.....	252
U.S. and foreign countries.....	913	Pastors, number with charges.....	55, 56
Mining industries.....	417, 770	Pastureland, acreage.....	695
Selected industries.....	416	Patents and certificates of trademarks.....	572
Oxygen production.....	827	Pathologists.....	111
Oysters.....	744, 746-748	Paving and roofing materials, manufacture, summary.....	816, 817
		Payroll taxes.....	272
<b>P</b>		Payrolls. <i>See</i> Salaries and wages and individual industries.	
Painters and paperhangers.....	420	Peace Corps (ACTION).....	142, 866
Painting, expenditures for residential upkeep.....	787	Peaches.....	723, 724
Paints, varnishes, etc.:		Peanuts:	
Manufacture.....	816, 817	Acreage, production, and value.....	722
Employees.....	413, 816, 817	Consumption.....	131
Producer price indexes.....	481, 785	Sales under price support.....	702, 722
Value of shipments.....	826	World production.....	895
Pakistan. <i>See</i> Foreign countries.		Pears.....	723, 724
Pamphlets.....	596	Peas.....	723, 724
Panama. <i>See</i> Foreign countries.		Peat.....	758
Panama Canal traffic.....	678	Pennsylvania. <i>See</i> State data.	
Pap smear.....	124	Pensions and retirement benefits ( <i>see also</i> Social insurance):	
Paper and allied products:		Government employees.....	332, 333, 336, 343
Consumption.....	738	Military.....	381, 384-386
Earnings.....	735	Pension indexes, foreign countries.....	342
Foreign trade.....	678, 880, 882	Private and public plans.....	344
Manufacture.....	814, 815	Railroad.....	332, 333, 336, 337, 343
Capacity utilization rates.....	806	Veterans.....	332, 333, 337, 384
Capital appropriations and expenditures.....	812	Peppers, acreage, production, and value.....	723
Corporations, financial data.....	570	Perch.....	744-746, 748
Employees.....	414, 814, 815, 820	Performing arts, selected data.....	250
Capital invested per.....	561	Perfume. <i>See</i> Toilet preparations.	
Energy used.....	820	Periodicals. <i>See</i> Newspapers and periodicals.	
Expenditures:		Perlite, mine production.....	758
Plant and equipment, new.....	562, 815	Personal consumption expenditures.....	245, 437-442, 445, 478, 698
Multinational companies.....	572	Current and constant dollars.....	439
Firms, mergers and acquisitions.....	575	Transportation.....	638
Injury rates.....	434	Personal income.....	297, 440-442, 445-447, 699
National income, origin in.....	444	States.....	447
Production.....	738	Personal savings.....	449
Indexes.....	806	Personal services or care ( <i>see also</i> Service industries).....	852, 853
World.....	895	Consumer price index.....	487
Research and development, expenditures.....	826	Costs.....	490, 492
Shipments accounted for by largest companies.....	821, 822	Employees.....	420, 839, 852
Stockholders' equity, profit rates on.....	574	National income, origin in.....	444, 636
Producer prices.....	463	Personal consumption expenditures.....	442
Indexes.....	730	Price increases, U.S. and foreign countries.....	812
Railroad car loadings.....	663	Receipts.....	851
Waste, utilization and salvage.....	759	Personal wealth.....	471-473
Wholesale trade.....	848, 850	Personnel administration, Federal employees.....	284
Producer price indexes.....	481	Personnel directors.....	424
Paper and pulp industry.....	814, 815	Peru. <i>See</i> Foreign countries.	
Foreign trade.....	878	Pesticides:	
Output per hour.....	417	Federal expenditures, pollution control.....	215
Paper industries, machinery, shipments, value.....	832	Production and sales.....	219
Paperboard, wet machine board, building paper:		Residue in human tissue.....	219
Consumption.....	738	Value of shipments.....	826
Exports.....	880	Pet products, advertising expenditures.....	598, 599
Production.....	738		

	Page		Page
Petroleum and coal products, manufacture .....	816, 817	Photographic apparatus and material—Continued	
Capital appropriations and expenditures .....	812	Manufacture .....	818, 819
Employees .....	413, 816, 817, 820	Employees .....	414, 818, 819
Energy used .....	820	Shipments accounted for by largest companies .....	821
Expenditures, new plant and equipment .....	562, 817	Retail trade .....	846
Multinational companies .....	572	Photographic studios, summary .....	852
Firms, mergers, and acquisitions .....	575	Physical activity, by age and sex .....	125
Inventories, value and quantity .....	828	Physical education, degrees conferred .....	175
National income, origin in .....	444, 752	Physical sciences .....	284, 630, 632
Production indexes .....	806	School enrollment and degrees conferred .....	170, 631, 632
Profit and sales .....	610	Physicians .....	110, 111, 418
Shipments .....	828	Births attended by .....	64
Petroleum and gas wells ( <i>see also</i> Gas) .....	756, 757, 765	Black .....	418
Accidents and fatalities .....	761	Degrees conferred .....	174
Drilling expenditures .....	750, 767	Earnings .....	112, 113
Employees .....	413, 756, 757, 761	Expenditures for .....	105-107
Leases and production .....	767	Fees .....	103, 107, 113
Number and production (oil) .....	750, 765, 769	Foreign countries .....	905
Petroleum and products ( <i>see also</i> Petroleum and coal products):		Foreign medical school graduates .....	110
Consumer cooperatives .....	559	Immigrants .....	631
Consumption .....	604, 765	Malpractice insurance costs .....	113
Imports as percent of consumption .....	764	Medicaid payments .....	349
States .....	605	Office and home visits .....	108
Crude oil:		Osteopaths .....	110
Annual growth rates .....	603	Persons covered by insurance .....	108
Drilling expenditures .....	750, 767, 768	Specialty and professional activity .....	111
Energy produced and consumed .....	602	States .....	111
Foreign trade .....	608, 609, 763, 766, 881	Type of practice .....	110
Imports, by country of origin .....	609	Visits to .....	111, 112
Lease revenues .....	788	Physics .....	632
Prices .....	754, 766	Degrees conferred .....	170
Production .....	609, 752, 753, 758, 762, 766, 769	Salary offers .....	170
Foreign countries .....	916, 917	Nobel prize laureates .....	627
Reserves .....	768	Scientists employed .....	630
Runs to stills and stocks .....	768	Physiology .....	632
Employment .....	606	Nobel prize laureates .....	627
Energy consumption .....	864	Pig iron. <i>See</i> Iron.	
Foreign investments in U.S. ....	608, 609, 766, 878, 879	Piggyback .....	663
Foreign trade .....	608, 609, 766, 878, 879	Pigments. <i>See</i> Paints.	
International investments .....	571, 865	Pigs. <i>See</i> Hogs.	
Investments .....	764	Pitchard. <i>See</i> Sardines.	
Manufacture .....	816, 817	Pimientos, canned .....	724
Natural gas liquids .....	770	Pineapples .....	724, 892
Output of refineries ( <i>see also</i> Petroleum-refining industry):		Pipe:	
duty .....	766	Iron and steel imports .....	882
Pipeline industry .....	637, 639, 665	Production and shipments .....	831
Railroad, carloadings of .....	683	Pipeline companies .....	665
Stocks .....	766	Pipeline transportation industry .....	636, 637, 639, 640, 665
Wholesale trade .....	848	Accidents .....	641
Producer price indexes .....	481	Pistols. <i>See</i> Firearms.	
Petroleum companies, financial data .....	608, 610	Plant and equipment expenditures:	
Petroleum pipelines .....	685	Selected industries .....	814-819
Building construction, value .....	781, 782	States .....	810, 811
Petroleum-refining industry .....	816, 817	Plaster. <i>See</i> Concrete and plaster products.	
Corporations, financial data .....	573	Plastics materials and resins, value of shipments .....	826
Defense-oriented industries .....	370	Plastics products, manufacture .....	816, 817
Employees .....	415, 816, 817	Employees .....	414, 816, 817, 820
Capital invested per .....	561	Exports .....	880
Injury rates .....	434	Shipments accounted for by largest companies .....	822
Expenditures, new plant and equipment .....	562, 768, 817	Plate glass. <i>See</i> Glass.	
Output per hour .....	417	Plates, sheets, etc. (iron and steel), foreign trade .....	880, 882
Profits and dividends .....	570	Platinum-group metals .....	763, 764
Refinery products .....	766	Playgrounds .....	243, 244
Research and development, expenditures .....	626	Plumbers and pipefitters .....	419
Waterborne commerce .....	676	Plumbing. <i>See</i> Heating and plumbing equipment.	
Sales .....	570	Plums .....	723, 724
Shipments accounted for by largest companies .....	821	Plywood:	
Stockholders' equity, profit rates on .....	574	Imports .....	737, 882
Pharmaceuticals ( <i>see also</i> Drugs and medicines):		Per capita consumption .....	734
Exports .....	880	Producer price indexes .....	481, 730, 735, 785
Manufacture:		Production, shipments and value .....	737
Corporation assets and profits .....	570	Poliomyelitis .....	126
Shipments accounted for by largest companies .....	821	Poisoning, deaths from .....	82, 187
Value of shipments .....	826, 828	Poland. <i>See</i> Foreign countries.	
Pharmacists .....	109, 418	Police Departments. <i>See</i> Public safety.	
Pharmacy, degrees conferred .....	175	Policemen and detectives .....	420
Philanthropy .....	363, 364	Political advertising .....	599
Expenditures, health .....	105, 106	Political parties:	
Philippines. <i>See</i> Foreign countries.		Campaign expenditures .....	520, 521
Phonographs and record players .....	835	Congress, composition of .....	509, 510
Advertising expenditures .....	598, 599	Congressional and presidential votes .....	496, 498-504, 507, 508, 515
Phosphate materials:		State legislatures, composition of .....	613
Exports .....	763	Political science:	
Mining industry .....	756, 757, 772	Degrees conferred .....	175, 630
Production and value .....	755, 758, 762	Employment .....	630
Production (chemical) .....	827	Pollution:	
Reserves .....	755	Air pollutant concentrations .....	217
Photofinishing laboratories, summary .....	852		
Photographic apparatus and material:			
Foreign trade .....	880, 882		

## Page

## Page

## Pollution—Continued

Air quality stations	216
Environmental	215, 217, 218
Expenditures	214, 215
Motor vehicle emissions	217
Water	218
Polyester, production	825
Poor persons	438, 463-469
Population ( <i>see also</i> Vital statistics)	6, 12, 17, 28
Abroad	9
Age:	
Average lifetime, by sex and States	74
Distribution	28, 32-34
Fourteen to twenty-four years old	34
Median age	28, 35
Members of Congress	511
Outlying areas	886
Projections	30, 31
Race	28, 29, 33
School enrollment	145, 146, 153
Sex	29
Sixty-five years old and over	28, 32-35, 52, 53, 338, 466
States	32
Under 18, by presence of parents	52
Voting-age population	515, 516, 518-520
Black. <i>See</i> Black population.	
Center	8
Change	12, 18, 19
Cities	19, 24-26
Change in	5
Coastal	8
Components of change	5, 7, 13, 26
Outlying areas	886
Standard metropolitan statistical areas	21-23
Congressional districts	506
Density	6, 8, 11, 12, 17, 24-26
Foreign countries	897-899
Outlying areas	887
Disabled adults, characteristics	345
Ethnic origin	35, 36
Farm	682, 685-689
Fertility	7, 26, 61, 67, 68
Unwanted births	68
Foreign born	37-40
Foreign countries	895, 897-899
Growth rates	5, 7, 26, 896
Households and/or families	44, 45, 47-51
Illiteracy	150
Increase	5-7, 11, 13
Standard metropolitan statistical areas	21-23
Institutional	53, 54
Intrinsic rate of natural increase	61
Labor force. <i>See</i> Employment and labor force.	
Life expectancy	896
Living abroad	15
Local governments	310
Marital status	41-44, 58, 83, 86, 87
Characteristics of householder	50
Members of Congress	511
Unmarried couples by presence of children	44
Metropolitan	17, 20
Migration	13, 15, 21-23, 27, 885
Minority races below poverty level	465
Mobility	16, 18
Nativity	38-40
Nonwhite. <i>See</i> Black population and Minority races.	
Outlying areas of U.S.	9-11, 886, 887
Parentage	39-40
Persons living alone	52
Poverty	438, 464-466
Projections	7, 14, 30, 31, 34, 47
Foreign countries	900
World	896
Race ( <i>see also</i> Black population and Minority races)	17, 18, 26-29, 33, 34, 36-38
Ranked by States and/or cities	11, 12, 24-26
Ratio, employment/population	397
Regions and divisions	4, 15
Resident	6, 32
School years completed	136, 148, 149, 151
Sex	28, 34, 37, 38
Age distribution	29
Householder	47, 50
Projections	30, 31, 47
Unemployment, by race, and reason	410
Size-group of States	9
Spanish origin	33, 35, 36
Standard metropolitan statistical areas	17-19, 21-23
Change in	5

Population (*see also* Vital statistics)—Continued

Standard metropolitan statistical areas—Continued	
Mobility	18
Size-class	19
State of birth and residence	39
States	10-12, 32, 33, 37
Age	33
Components of change	13
Density	11
Households	49
Nativity	36, 40
Natural increase	27
Projections	14
Race and/or sex	36, 37
Spanish origin	38
Urban and rural	16, 17, 28, 36-38
Voter turnout	514, 517
Voting-age population and votes	515, 518, 520
Wealthholders	471
World	895, 896, 900
Literacy	903
Pork ( <i>see also</i> Meat and meat products):	
Consumption and production	131, 725
Foreign trade	725
Price, retail	705
Portland cement	758, 771
Portugal. <i>See</i> Foreign countries.	
Possessions. <i>See</i> Outlying areas of U.S.	
Post Office Department. <i>See</i> U.S. Postal Services.	
Postal rates	582
Postal service, foreign countries	922, 923
Potash (potassium salts):	
Foreign trade	763
Mining industry	756, 757, 772
Production and value	755, 762
Production, U.S. as percent of world	750
Reserves	755
Potassium	764
Potatoes:	
Acreage, production, and value	714, 718
Canned	724
Consumption	131
Farm labor in labor-hours	702, 710
Frozen food production	724
Prices	705, 714, 718
World production	895
Pottery:	
Imports	882
Manufacture and employees	413, 816, 817
Poultry ( <i>see also</i> Eggs):	
Consumption	131
Farm labor in labor hours	710
Farms and/or income	694, 702
Farm value	706
Frozen food production	724
Hatcheries	689
Number on farms and raised	728
Output and marketing indexes	709
Prices	728
Poverty	438, 463-469
Disabled persons	345
Power ( <i>see also</i> Electric light and power industry):	
Electric	611, 612, 614, 616
Federal projects	614
Generating plants privately owned	813
Nuclear energy capacity	620
Electrical generation, nuclear reactors	617, 620
Horsepower	602
Hydro	611
Nuclear	607, 611, 620
Production and consumption	602
Projections of electric energy requirements	610
Tractive effort of railroad locomotives	660
Water	619
Power plants. <i>See</i> Electric light and power industry.	
Precipitation, selected cities	226-228
President, U.S.	496, 498-503, 515
Campaign finances	521
Salary	283
Prices ( <i>see also</i> individual commodities):	
Automobiles, cost of operating	654
Bonds	546, 547
Books and periodicals	595
Consumer, percent change	478
Dairy products	727
Electricity	495
Export and import	484
Family, living costs	490-492
Farm marketings, price support status	702
Fish, by species	744, 745
Food	493
Gasoline and diesel fuel	655

	Page		Page
Prices—Continued		Professional, technical, and kindred workers	406, 418–421
Homes	802	Immigrants	91
Increases, U.S. and foreign countries	912	Married women	405
Indexes:		Median earnings	424
Colleges and universities	170	Pay increase	425
Commodities	754	Race	418, 419, 421
Consumer price	425, 477, 478, 487, 488	Unemployment	410
Foreign countries	910–912	Profits:	
Residential rents	494	Bank	529, 533, 537
Selected cities	478	Business enterprises	558
Year-to-year changes	485	Corporation	443, 449, 565, 566, 570, 573, 574, 805
Exports	485	Projections:	
Houses, one-family	784, 801	Electric energy	610
Imports	485	Households and family units	47
Medical care	103, 107	Labor force	394
Product price	477–482	Population	7, 30, 31, 900
Construction materials	735, 778, 784, 785	Illiteracy	903
Foreign countries	911, 912	States	14
Iron and steel	830	World	896, 900
Timber products	730	School enrollment and attainment	143
Purchasing power of the dollar	476	Water use	213
Railroad freight	664	Property insurance	552
Retail price	493, 494	Property tax	286, 288, 291, 292, 295, 297, 299, 304, 312
Spot market price	482	Percent distribution and per capita	289
Lumber and stumpage	735	Rates, selected cities	317
Mineral products	754	Proprietors, managers, and officials, except farm:	
Newsprint	738	Income	443, 445
Producer	480, 483	Married women	405
Year-to-year change, selected groups	478	Median earnings	424
Received by farmers:		Number	418, 419
Crops	701, 714, 716–721	Immigrants	91
Livestock and products	701, 726, 728	Proprietorships	556, 557
Retail	494, 495	Protective service workers. <i>See</i> Public safety.	
Stocks	546, 547	Prunes and plums	723, 724
Utilities	495	Psychiatrists	111–113
Wool	824	Psychology:	
Prime movers	602	Degrees conferred	175, 632
Printing and publishing industries ( <i>see also</i> <i>Individual classes</i> )	816, 817	Employment	628, 630
Books and pamphlets	595	Graduate students	631
Corporations, financial data	570	Research, U.S. Government obligations for	625
Employees	414, 420, 590, 820	Psychotherapeutic drugs, nonmedical use	129
Capital invested per	561	Public administration. <i>See</i> Government.	
Labor unions	430	Public affairs, degrees conferred	175
Average wage rates	428	Public assistance	133, 294, 295, 326, 330, 331, 334, 354, 356–358, 457
Energy used	620	Benefits paid	335
Establishments	590	Health expenditures	106
Expenditures, advertising	598, 599	Ratio to personal income	448
Firms, mergers and acquisitions	575	Recipients	357, 358
Injury rates	434	Public assistance programs, Federal expenditures	260
National income, origin in	444	Public broadcasting stations	589, 590
Newspapers and periodicals	590–593	Public buildings, construction, value	781–783
Newsprint	738	Public debt. <i>See</i> Debt.	
Production indexes	806	Public domain. <i>See</i> Public lands.	
Sales by type and market area	594, 596	Public housing	798
Shipments accounted for by largest companies	593, 821, 822	Public lands ( <i>see also</i> <i>Forests</i> ):	
Stockholders' equity, profit rates on	574	Acquisition and area	237, 239
Printing machinery:		Cost and usage	239
Union wage rates, indexes	426	Disposal, summary	240
Foreign trade	880	Forest land, area	731, 732
Shipments, value	832	Homestead entries	240
Printing paper	738	Leases, permits, licenses	240, 241
Printing trades, union wage rates, indexes	426	National park system	242
Prisons and prisoners	200, 202–204	Ownership	237, 239
Average sentence and time served	203	Parks	242, 244
Characteristics of prisoners	201, 203	Receipts from	240
Characteristics of State prisons	200	Shorelines, ownership and use	237
Juveniles in custody	199	Vacant (unappropriated and unreserved)	240
Number of prisoners	199	Public libraries	176
Offenses and arrests, by type and race	189, 191	Public officials, prosecutions	195
Parolees, number	199	Public roads. <i>See</i> Highways.	
Prisoners executed	204	Public safety:	
Prisoners under sentence	201, 203	Communication, radio stations	586
Selective Service Act violations	578	Employees	192, 193, 318, 321, 324
Private schools. <i>See</i> Education.		Fire protection	184, 318
Producer price index	479	Payrolls	318, 321, 324
Commodity groups	477, 480–482	Police officers killed	189
Foreign countries	911	Police protection and correction	192, 193, 318
Purchasing power of the dollar	476	Salaries, police and firefighters	194
Producers' equipment, value	474	Expenditures, police protection	288, 289, 304
Productivity:		Police and firefighters, pay increase	425
Electric light and power industry	417	Public expenditures	192, 193, 296, 312
Farm input indexes	708	Public schools. <i>See</i> Education.	
Farm output	709, 710	Public service. <i>See</i> Service industries.	
Mining industries	761, 770	Public transportation	656, 657
Output of plant and equipment, manufacturing	807	Public utilities ( <i>see also</i> <i>Electric light and power, Railroads, etc.</i> ):	
Output per hour	393, 416, 417, 709, 710	Advertising expenditures	599
Manufacturing industries	913	Assets or liabilities	567
Professional schools. <i>See</i> Education, higher education institutions.			



	Page		Page
Recreation—Continued		Retirees—Continued	
Parks—Continued		Uniformed retirees employed	282
National	242	Retirement system:	
State, municipal and county	244	Benefits paid	260, 334, 336
Performing arts	250	Civil Service	332, 333, 336, 337, 343
Personal consumption expenditures	245, 442	Federal, other than civil service	334, 336
Percent distribution and per capita	289	Income from	457
Shorelines	237	Old-age, survivors, disability, and health insurance.	
Symphony orchestras, attendance, etc.	250	See Social insurance.	
Travel	251-253	Private and public plans	344
Recreational vehicles	653	Railroad	260, 332-337, 343
Red Cross	363	Ratio to personal income	448
Refrigerators and refrigerating equipment:		State and local government	296, 332, 333, 336, 337,
Electric refrigerators, homes with	796	343	
Exports	880	Uses and sources of funds	529
Manufacture	832, 835	Reunion, population and area	899
Refugees	92, 95	Reupholstery, furniture repair shops	852
Religion	55-57	Revenue receipts. <i>See</i> Receipts.	
Religious and welfare activities, expenditures	442	Revolvers. <i>See</i> Firearms.	
Religious associations	57	Rheumatic fever	126
Religious education, degrees conferred	175	Rhode Island. <i>See</i> State data.	
Religious, social, and recreation workers	419	Rhodesia. <i>See</i> Foreign countries.	
Rents:		Rice	
City worker's family	490, 491	Acreage and value	714
Indexes	487, 494	Consumption	131
Price increases, U.S. and foreign countries	912	Farm sales under price supports	702
Repair services. <i>See</i> Business and repair services and		Foreign trade	710, 711, 718, 879
Service industries.		Prices	484, 714
Representatives, U.S. <i>See</i> Congress, U.S.		Production	710, 714, 718
Research and development:		Foreign countries	918
Employment	627, 629, 630	Supply, disappearance, and price support	718
Expenditures:		World	895
Colleges and universities	172, 626, 627	Rivers, canals, harbors, etc.:	
Federal	622-626	Commerce, domestic and foreign	675, 678
National defense	368	Federal expenditures for	675
Space program	623, 633, 634	Length of principal rivers	212
Federal Government obligations for	625, 626	Roads, public. <i>See</i> Highways	
Federal grants-in-aid for	142	Robbery	178, 183-186, 188-191, 197, 201, 203
Federal outlays for environmental studies	215	Rock salt industry, summary	756, 757
Funds for	622-624, 626	Romania. <i>See</i> Foreign countries.	
Reserve Officers Training Corps	379	Roofing	797
Residential buildings. <i>See</i> Construction industry and		Rosin	739
Housing and housing units.		Rubber and rubber goods ( <i>see also</i> Tires and tubes):	
Residential capital, fixed	789	Carloading	663
Resorts and hotels, advertising expenditures	599	Foreign trade	828, 878-882
Restaurants. <i>See</i> Eating and drinking places.		Manufacture	816, 817
Retail prices indexes ( <i>see also</i> Consumer price in-		Capacity utilization rates	808
dexes)	493, 494	Corporations, financial data	570
Retail sales, drugs and toiletries	128	Defense-oriented industries	373
Retail trade ( <i>see also</i> Prices and Trade):		Employees	415, 816, 817, 820
Advertising expenditures	599	Capital invested per	561
Chain stores (multinits)	840, 841, 843	Establishments	816
Consumer credit	540	Mergers and acquisitions	575
Corporations, partnerships, and proprietorships	557,	Expenditures:	
843		Plant and equipment, new	562, 817
Department stores, summary	841, 843	Multinational companies	572
Employees	406, 415, 419, 836, 839	Research and development	626
Earnings, average	415, 421	Injuries	434
Kind of business	843, 846	National income, origin in	444
Minority races	411	Natural, reclaimed, and synthetic	828
States	844	Production indexes	806
Women	404, 419	Sales	570
Establishments	836, 839, 843, 846	Stockholders' equity, profit rates on	574
Automotive dealers	648	Producer prices	483
Failures and liabilities	577	Rubella	126
Legal form of organization	557, 843	Rugs. <i>See</i> Floor coverings.	
Size	843	Rural delivery mail	582
States	844, 845	Rural Electrification Administration:	
Firms	836, 839	Electric program, summary	614
Owned by minority races	558	Loans	584
Owned by women	558	Telephone program, summary	584
Franchises	847	Rural population. <i>See</i> Population.	
Inventories	562, 563, 841, 842	Russia (U.S.S.R.). <i>See</i> Foreign countries.	
Kind of business	840-842, 845, 846	Rwanda. <i>See</i> Foreign countries.	
Multinuit companies	839, 841, 843		
National income, origin in	444, 836, 838		
Outlying areas of U.S.	891, 892		
Payrolls	839, 843, 844, 846		
Proprietors	839, 843, 846		
Sales	563, 836, 839-846		
Department stores	841, 846		
Inventory ratios	842		
Per capita	839-841		
States	841, 844, 845		
Stores. <i>See</i> Retail trade, establishments.			
Retention rates, school	163		
Retirees	336, 340-343		
Age 65 and over	338		
Budgets for retired couple	490, 491		
Federal civilian	282		

## S

St. Lucia Island, population and area	899
Salaries and wages ( <i>see also</i> income and individual	
industries):	
Amusements, places of, employees	852
City government employees	324, 325
Collective bargaining settlements	427
Component of national income	443
Construction industry	785
Earnings, married women	458
Employment covered by social insurance	335, 337, 350
Farm	708

	Page		Page
Salaries and wages—Continued		Savings—Continued	
Federal employees.....	279, 283, 284	Deposits, bank.....	449, 542-544
Finance, insurance, real estate.....	415	Cross savings, sources and uses.....	449
Firefighters.....	194	Personal.....	441, 445, 449
Health personnel.....	631	U.S. bonds.....	277, 278, 526
Higher education institutions, faculty.....	171	Savings and loan associations:	
Hotel employees.....	852, 854	Financial items.....	536, 539
Income tax returns (reported totals).....	269, 274	Flow of funds.....	526, 527
Indexes.....	416	Mortgage debt held by.....	540
Foreign countries.....	342	Uses and sources of funds.....	529
Manufacturing industries.....	413-415, 804, 808	Savings banks. <i>See</i> Banks.	
Earnings, year-to-year changes.....	422	Saw logs.....	734, 735
Hourly compensation and earnings.....	913	Sawmills. <i>See</i> Lumber and allied products.	
Hours and earnings, average.....	416, 422, 423	Sawtimber.....	731, 732
Industrial groups and industries.....	814-819	Scales and balances, shipments, value.....	832
Payroll index.....	416	Scallops.....	741, 744, 745
Puerto Rico.....	891	Scholastic Aptitude Test.....	164
State distribution.....	810, 811	School dropouts.....	164
Military personnel.....	374, 375, 379, 443	Schools ( <i>see also</i> Education):	
Mineral industries.....	756, 757, 761	Black enrollment.....	156
Minimum wage rates.....	425	Board, Black elected officials.....	514
Mining.....	413	Busing.....	156, 159
Municipal employees.....	324	Church affiliated.....	156
Museum employees, selected.....	250	Districts.....	309, 319
National defense, payrolls.....	375	Dropouts.....	164
Nonagricultural industries.....	413, 415	Enrollment of Indian children.....	155
Nonmanufacturing industries.....	416, 426	Expenditures.....	161, 162
Patrolmen.....	194	Lunch programs.....	133, 135, 142
Pay increase, selected occupations.....	425	Noncollegiate postsecondary.....	176
Personal income.....	445	Nonpublic.....	138, 139, 155
Petroleum pipeline companies.....	665	Number.....	138, 139
Physicians, by geographic division.....	113	Preprimary enrollment.....	147
Police.....	194	Pupil transportation.....	159
Private industry.....	413, 424	Sunday or Sabbath.....	55, 56
Production workers, by industry.....	413-415	U.S. service.....	173
Railroads.....	660, 663	Scientific, engineering, and technical associations.....	57
Retail trade.....	839, 844, 846	Scientific instruments. <i>See</i> Instruments.	
Scientists and engineers.....	631	Scientific research. <i>See</i> Research and development.	
Seamen.....	680	Scientists and engineers.....	418, 419, 629, 632
Service industries, employees.....	851-853	Characteristics.....	628
Supplementary benefits.....	427, 428	Degrees conferred.....	174, 175, 632
Teachers.....	153, 158	Employment.....	628, 630
Telephone systems, employees.....	583, 584	By industrial sector.....	629
Timber-based industries.....	735	Research and development.....	627
Transit industry.....	656	Salaries.....	631
Wage and salary workers, earnings.....	424, 478	Universities and colleges.....	630
Wholesale trade.....	848, 849	Immigrants to U.S.....	631
Sales ( <i>see also</i> individual commodities):		Unemployment.....	628
Aircraft and parts.....	673	Scouts, membership and units.....	362
Commodity Credit Corporation transactions.....	701	Scuba diving.....	245
Corporation.....	566, 569, 570	Scup, catch.....	746
Manufacturing.....	574, 805	Seafoods.....	724, 744-749
Farm marketing, price support status.....	702	Securities:	
Farm products, value.....	691, 692	Held by corporations.....	568
Franchised establishments.....	847	Held by government corporations and credit agen-	
Hotel operations, index.....	851	cies.....	278
Manufacturing and trade.....	563	Uses and sources of funds.....	529
Merchandising.....	569, 570	Held by insurance companies.....	548
Multinational companies.....	571	Holdings of banks.....	526, 529, 533, 534, 537
Postage stamps, receipts from.....	580, 581	Holdings of individuals and businesses.....	547
Retail.....	835, 839-841, 843-846	Holdings of State and local governments.....	278
Department stores.....	841	Interest-bearing, government.....	277, 278
Farm equipment.....	707	New issues.....	546
Multinities.....	843	Prices, sales, yields, and issues.....	545-547
Per capita.....	839, 840	Savings of individuals.....	449
Ratios.....	842	Stocks and bonds, sales.....	545
Stocks and bonds.....	546	Tax-exempt, outstanding.....	278
Uranium, private industry.....	776	Security dealers and exchanges, employees.....	415
Wholesale trade.....	848-850	Sedatives, persons using.....	129
Salesworkers.....	418, 419, 421	Seeds:	
Immigrants.....	91	Farm expenditures for.....	699
Married women.....	405	Output and marketing indexes.....	709
Median earnings.....	424	Producer price indexes (hay, seeds).....	481
Unemployment.....	410	Segregation, school.....	156
Salmon:		Selective service:	
Canned.....	724, 744, 745, 748, 749	Violations.....	203
Catch.....	744, 745, 747	Wars.....	378
Imports and exports.....	748	Selenium, U.S.....	764
Salt, summary.....	773	Senators, U.S.....	503, 504, 509-511
Production and value.....	759, 773	Senegal. <i>See</i> Foreign countries.	
Production, U.S. as percent of world.....	750	Service industries ( <i>see also</i> individual services):	
Samoa, American. <i>See</i> Outlying areas of U.S.		Assets and liabilities.....	567
Sand and gravel industry, summary.....	756, 757	Corporations, partnerships, and proprietorships.....	557
Production and value.....	759, 771	Degrees conferred.....	174
Sandstone, sales.....	772	Employees.....	406, 411, 412, 415, 418, 421, 839, 851,
Sanitation. <i>See</i> Health, etc.		Earnings, average.....	852, 854, 855
Sardines.....	744, 745, 748, 749	Educational attainment.....	152
Saudi Arabia. <i>See</i> Foreign countries.		Injury rates.....	433
Sauerkraut, canned.....	724	Kind of business.....	852, 853
Savings:			
Credit unions.....	537		

	Page		Page
Service industries—Continued		Silver—Continued	
Employees—Continued		Prices.....	774
Labor unions.....	430	Production and value.....	755, 759, 774
Married women.....	405	Production, U.S. as percent of world.....	762
Race and sex.....	406, 411, 418, 421	Reserves.....	755
Science and engineering technicians.....	629	Silverware and jewelry, manufacture.....	414, 818, 819
States.....	412, 853	Singapore. <i>See</i> Foreign countries.	
Establishments.....	851, 855	Single persons. <i>See</i> Marital status.	
Franchises.....	847	Skating, skateboarding.....	245
Mergers and acquisitions.....	575	Skiing.....	245
Tax-exempt.....	854	Skins. <i>See</i> Hides, etc.	
Firms.....	557, 851	Slaughtering and meat-packing industry. <i>See</i> meat and meat products.	
Minority-owned.....	558	Sledding.....	245
Owned by women.....	558	Sleeping pills, users and nonusers.....	130
Gross product, current and constant dollars.....	441	Small Business Administration, budget outlays.....	264
Income and profits.....	557, 573	Smelt, imports.....	749
Injuries.....	434	Smelting and refining industry:	
Kind of business.....	853	Employees, earnings.....	413
National income, origin in.....	444, 836, 838	Output per hour.....	417
Outlying areas of U.S.....	891, 892	Snow and ice pellets, selected cities.....	228
Payrolls.....	851-855	Snowmobiling.....	245
Personal consumption expenditures.....	439, 440	Soap:	
Proprietors.....	851	Advertising expenditures.....	598
Receipts.....	557, 851-853	Manufacture:	
Unemployment.....	410	Corporation sales, profits, and dividends.....	570
Wages and salaries.....	445	Employees and earnings.....	414
Service stations. <i>See</i> Gasoline service stations.		Fats and oils utilized.....	721
Service workers. <i>See</i> Service industries.		Shipments accounted for by largest companies.....	822
Sewage treatment systems.....	218	Value of shipments.....	826
Sewer and water systems, construction.....	781, 782	Soccer.....	248
Sewing machines, shipments, value.....	832, 833	Social and recreation workers.....	419
Shareowners, stocks.....	547	Social insurance:	
Sheep and lambs:		Beneficiaries and benefits, by States.....	350-352, 355
Farm income.....	702	Benefits provided, by type of protection.....	334, 347
Liveweight production.....	726	Characteristics of persons receiving supplemental security income.....	358
Number and value, on farms.....	725, 726	Expenditures (public) for.....	326, 330
Prices.....	726	Per capita.....	331
Shorn.....	824	Government insurance trust funds.....	257, 259, 260, 286, 288, 291
Sheetmetal workers and tinsmiths.....	418	Federal receipts and expenditures.....	282, 283
Shellfish:		Percent distribution and per capita.....	289
Canned, quantity and value.....	748	State and local receipts, expenditures.....	296, 312
Catch.....	741, 742, 747	Individual programs:	
Consumption.....	744	Aid to families with dependent children.....	354, 356, 358
Foreign trade.....	878	Beneficiaries and benefits.....	336, 342
Frozen, quantity and value.....	748	Coverage.....	335, 337
Prices received by fishermen.....	744	Family outlay for.....	490
Shipbuilding, summary.....	818, 819	Federal retirement insurance.....	332, 333, 336
Corporation sales, profits, and dividends.....	570	Civil-service.....	343
Employees.....	413, 680, 818, 819	Hospital and medical.....	347, 348
Private shipyards, summary.....	679	Old-age, survivors, disability, and health insurance:	
Value of shipments.....	834	Average payments.....	342, 354
Shipments:		Beneficiaries and payments.....	326, 334, 335, 340, 341, 354, 355, 361
Foreign trade, by method of transport.....	673, 675	Contribution rates.....	338, 339
Manufacturers.....	807, 810, 811, 815, 816, 821, 831, 832	Coverage, workers and earnings.....	337
Aircraft.....	673	Public expenditures.....	104
Castings.....	831	Trust funds.....	263, 286, 288, 291, 339
Iron and steel products.....	829	Percent distribution and per capita.....	289
Steel products.....	830	Medicaid payments and recipients.....	348, 349
Value.....	832, 833	Old-age insurance taxes.....	268
Defense-oriented industries.....	873	Protection against income loss.....	347
Shipments accounted for by largest companies.....	821, 822	Railroad insurance.....	343
Uranium, mine ore.....	776	Recipients by State.....	349
Shipping. <i>See</i> Merchant Vessels and Tonnage.		State and local public retirement insurance.....	332, 333, 336, 343
Ships:		Unemployment insurance (Federal and State).....	337
Merchant vessels.....	678, 679, 681	States.....	350, 351
Foreign countries.....	920, 921	Veterans insurance.....	385
Lost.....	680	Life insurance.....	263, 388, 389
Military, by type.....	926	States.....	386
Outboard motors and boats.....	246	Workmen's compensation.....	353
Repairs.....	679	Medical benefits.....	104
Tanker casualties.....	680	Social Insurance Administration.....	290, 296
Shoe repair shops, hat cleaning, summary.....	852	Social sciences:	
Shoe stores, retail trade.....	840-842	Degrees conferred.....	632
Shoes. <i>See</i> Footwear.		Employment and unemployment.....	628, 630
Shorelines, ownership and use.....	237	Research, U.S. Government obligations for.....	625
Shorelines (tidal), by States.....	210	School enrollment for advanced degrees.....	170, 631, 632
Short-term liabilities to foreigners.....	863	Scientists, by States.....	633
Shortening.....	131, 721	Social security. <i>See</i> Social insurance.	
Shrimp:		Social welfare. <i>See</i> Welfare services.	
Canned, quantity and value.....	748	Social welfare associations.....	57
Catch.....	741, 744-747	Sociology.....	175, 630, 632
Imports.....	749	Sodium compounds:	
Prices.....	744	Mines (natural), production and value.....	759
Sickness. <i>See</i> Illness.			
Sierra Leone. <i>See</i> Foreign countries.			
Silk (raw) and silk goods consumption, by mills.....	824		
Silver.....	756, 757, 774		
Consumption.....	774		
Foreign trade.....	774, 881, 882		
Imports as percent of consumption.....	764		



	Page		Page
Sodium compounds—Continued		Standard metropolitan statistical areas—Continued	
Production.....	827	Transportation to work.....	657
Soft drinks. <i>See</i> Beverages, nonalcoholic.		State and local governments, combined data ( <i>see also</i>	
Softball, amateur.....	246	<i>individual governmental units</i> ):	
Solar energy:		Debt.....	278, 296, 301
Collectors, manufacturers shipments.....	619	Highways.....	642
Research and development expenditures.....	607	Employees and payrolls.....	192, 318-322
Sorghum grain:		Expenditures ( <i>see also</i> Finances).....	261, 287, 289, 293,
Acreage, production, and value.....	714	296, 297, 300	
Prices.....	484, 714	Civil defense.....	372
Sales under price supports.....	702	Hospitals and medical care.....	106, 115, 116
Supply, disappearance, and price supports.....	718	Payments for public assistance.....	354
South Africa. <i>See</i> Foreign countries.		Percent distribution and per capita.....	289
South Carolina. <i>See</i> State data.		Schools.....	141
South Dakota. <i>See</i> State data.		Social insurance, etc.....	330, 332, 333
Soybeans:		Federal grants and aid to.....	259, 286, 294, 295
Acreage, production, and value.....	710, 713, 714, 722	Finances.....	286-289, 291-293, 297-301, 310, 313-315
Exports.....	710, 713, 878, 879	Intergovernmental.....	286, 294-296, 337
Prices.....	484, 714	Flow of funds.....	525-527
Sales under price supports.....	702	Forest land.....	731, 732
Supply, disappearance, and price support.....	721	Governmental units.....	309, 512
World production.....	895	Hospital data.....	115, 122
Space research and technology:		National income, origin in.....	437, 444
Expenditures, Federal.....	261, 262, 280, 293, 622, 625	Number of units.....	287
Space program.....	623, 633, 634	Officials, elected.....	512
Space vehicles.....	634	Purchases of goods and services.....	437, 439
Spain. <i>See</i> Foreign countries.		Receipts.....	261, 297, 300
Spanish American population:		Retirement funds.....	529
Age.....	35	Retirement systems.....	332, 333, 336, 337, 343, 344
States.....	33	Revenues.....	287, 298, 299
Below poverty level.....	466	Taxes.....	291
Births, expectations.....	65	Securities issued.....	300
Characteristics of families.....	466	Shoreline, ownership and use.....	237
Education.....	35, 148, 149	U.S. securities held by.....	278
Employment.....	35, 400, 424	Women holding public office.....	515
Fertility.....	67	State data (for individual States):	
Households, characteristics.....	46	Abortions.....	70, 71
Income.....	35, 460	Adoptions.....	361
Marital status.....	35, 42	Aircraft, airports, etc.....	670
Median family income.....	35	Aliens.....	99, 100
Mobility status.....	18	Alititudes.....	211
Number of families and residence.....	35	Animals, domestic, number.....	726
School enrollment.....	158	Appalachia.....	470
Sex.....	28, 35	Apportionment of Representatives.....	505
States.....	36	Area.....	209, 210
Spanish-American War, cost.....	370	Assessed property.....	311
Special delivery mail.....	581	Banks, assets and liabilities.....	534
Speech and dramatic arts, degrees conferred.....	170	Births and birth rates.....	13, 63, 64
Spinach.....	723, 724	Black elected officials.....	514
Sporting and athletic goods:		Broadcast stations.....	588
Advertising expenditures.....	598, 599	Building permits.....	786
Foreign trade.....	881, 882	Civilian labor force.....	395, 409
Manufacture.....	818, 819	Climate.....	220-233
Retail trade.....	843, 846	Coal and coke production.....	770
Sports.....	248, 245-247	Coastlines.....	210
Spot market price index.....	482	Congress, U.S., composition.....	510
Squash and pumpkin, canned.....	724	Congressional districts, population.....	506
Sri Lanka. <i>See</i> Foreign countries.		Construction contracts awarded.....	783
Stabbings.....	188	Construction establishments.....	786
Stampings (metal) manufacture.....	818, 819	Copper, mine production.....	775
Employees.....	413, 818, 819	Courts.....	195
Shipments accounted for by largest companies.....	822	Case flow.....	198
Stamps, postage, receipts from.....	580, 581	Crime rates.....	183
Standard metropolitan statistical areas.....	943-952	Crops, principal.....	715-720, 722, 723
Aid to families with dependent children.....	358	Deaths and death rates.....	13, 75-77, 79
Consumer price indexes.....	489, 494	Defense contract awards.....	374
Cost of living, families.....	490-492	Dentists.....	111
Crimes and crime rates.....	182	Divorces.....	85, 87
Employment, government.....	279	Drivers licenses.....	649
Housing.....	784	Education. <i>See</i> State data, Schools and education.	
Characteristics of neighborhood.....	787	Elections.....	499-502, 504, 505, 507, 508, 510, 512, 513,
Occupied, characteristics.....	792	517	
Starts.....	787	Voter registration.....	514-518
Units, by region.....	781	Electric bills.....	495
Vacancies.....	798, 799	Electric energy sales.....	616
Year built.....	799	Electric power.....	612
Illness.....	127	Elevations.....	211
Income.....	452, 456, 464	Employment:	
Families.....	457	Government.....	280, 323
Persons in poverty.....	464	Manufacturing.....	810, 811, 813
Physicians.....	113	Mining and smelting.....	760
Land area.....	17	Nonagricultural industries.....	412
New England County Metro. Areas.....	21-23	Ratio, employment/population.....	397
Pollutant standards index.....	216	Sex.....	404
Population.....	17, 19, 21-23	State and local government (combined data).....	321,
Change.....	5	322	
Mobility status.....	18	Payrolls.....	321
Price indexes.....	493	Police protection and correction.....	193
Residential rent, indexes.....	494	State government.....	322
School enrollment.....	148	Energy consumption.....	605
Transportation to school.....	160		

	Page
State data—Continued	
Failures and liabilities	576
Farms	692-694
Economic class	693
Income	703
Milk sold	727
Real estate, value per acre	696
Type	694
Value, farms and products sold	692
Federal food stamp program	134
Fisheries	746, 747
Forest land, area and ownership	732
Foundations	364
Fuel production	769
Gas production	767
Gas utility industry	618, 619
Government finances:	
Federal (income tax collections)	273, 275, 306
Intergovernmental transactions	295, 299, 300
State government	303, 305
State and local government	295, 299-301
Governmental units	309
Governors, vote cast	512
Highway projects, Federal aid	644
Hospital charges	114
Hospital facilities and patients	117
Households or families	49
Housing units	786, 792
Illiteracy	150
Income	446
Appalachia	470
Families	455
Persons in poverty	467
Retirement	448
Tax rates	306
Transfer payment ratios	448
Indian lands	241
Insurance business	549
Intergovernmental transactions	291, 298
Labor unions	429
Lakes	212
Land and buildings	239
Law firms and lawyers	194, 195
Lead, mine production	773
Legislatures, composition	513
Licenses, fishing and hunting	247
Lotteries, revenue from	307
Manufactures, general statistics	810, 811
Hours and earnings, average	423
Marriage and divorce	85-87
Medicaid payments and recipients	349
Mental care facilities	122
Metropolitan population	20
Migration	27
Mineral industry	755
Mineral production and value	758-760
Motor-fuel tax	655
Motor-vehicle accident fatalities	647
Motor-vehicle registration	649
National forests	733
National Guard	380
Natural gas, marketed production	769
Natural Increase	27
Newspapers, number and circulation	592
Nurses	110
Nursing care homes	120
Oil production	766, 767
Parks	244
Payments to local governments	308
Personal income	446, 447
Personal wealth	473
Physicians, dentists, and nurses	110, 111
Pig iron, production	829
Police protection and correction	193
Population	10-12, 27, 32, 33, 36, 40
Average lifetime, by sex	74
By age	32, 33
By sex and/or race	36-38
Components of change	13, 26
Congressional districts	506
Density	11, 12
Farm	688
Foreign stock	40
Institutional	54
Metropolitan	20
Mobility	16, 18
Projections	14
Spanish-American	33
Poultry and eggs	728
President, vote cast	499-502
Prisoners	202, 204

	Page
State data—Continued	
Public assistance	355-358, 448
Public lands	240
Railroads	661
Recreational areas	244
Representatives, U.S., vote cast	507, 508
Retail trade	841, 844, 845
Rivers	212
Roads and highways	649-645
Salt production	773
Savings and loan associations	536
School lunch program	135
Schools and education:	
Attainment	151
Elementary and secondary	139
Classroom teachers	158
Enrollment	144, 154
Expenditures	162
Pupil transportation	159
High school graduates	163
Higher education institutions	139, 144, 168, 173
Vocational training programs	176
Years completed	151
Scientists and engineers	633
Senators, vote cast	504
Service industries, summary	853
Social insurance	341, 347
Taxation	273, 275, 299, 302, 305, 306, 309
Assessed property values	311
Teachers	158
Telephones, distribution of	585
Unemployment	408, 409
Unemployment insurance	350-352, 448
Veterans, number and expenditures	393, 386
Vocational training programs	176
Voter registration	514, 518
Voter turnout	517, 518
Votes cast	499-502, 504, 507, 512, 515, 517, 518
Voting-age population	516, 518, 519
Water use	213
Weather data	220-231, 838
Wholesale trade, summary	849
Women holding public office	515
Work stoppages	431
Workmen's compensation payments	344, 353
Year of admission to statehood	209
Zinc production	777
State government ( <i>see also</i> State and local governments):	
Debt, public highways	642
Employees and payrolls	318
Work stoppages	433
Expenditures	307
Environmental control	215
Forests	733, 734
Highway construction	645
Police protection and correction	192, 193
Schools	141
Finances	287, 292, 293, 301-305, 307, 311
Intergovernmental transactions	304, 312
Revenue from lotteries	307, 312
Highway funds, disbursements of	645
Officials, elected	512
Park systems	244
Payments for public assistance	354
Receipts, highways	642
Retirement systems	343
Taxes	292, 302, 304-306
Individual income, by States	306
Motor fuel	655
Property	311
Unemployment insurance	338, 337, 352
State highways. <i>See</i> Highways.	
State park systems	244
State prisons, characteristics of	200
Statehood, admission to	209
Stationery and book stores	846
Statistics, employment in	630
Steam engines and turbines, electric:	
Light and power plants	611
Locomotive (railroads)	660, 661
Shipments, value	832
Steel <i>See</i> Iron and steel products.	
Steel works and rolling mills ( <i>see also</i> Iron and steel)	816, 817
Output per hour	417
Stimulants, persons using	129
Stock exchanges:	
Money market rates on call loans	543
Prices and volume of trading	546

	Page
Stock exchanges—Continued	
Securities listed on, and sales	545, 547
Stockholders, characteristics of	547
Stockholders' equity:	
Profit rates on	574
Public utility companies	615
Stockpiles, government:	
Rubber deliveries from	828
Strategic and critical materials	762
Stocks:	
Corporate, flow of funds	526, 527
Life Insurance companies	550
New issues	546
Ownership	474, 547
Prices, yield, sales, issues, etc.	545-547
Wealthholders	471, 472
Stocks, commodity inventories ( <i>see also individual commodities</i> ):	
Retail trade	839, 842
Wholesale trade	848, 850
Stone industries:	
Production and value	759
Production indexes	753
Sales and use	772
Stone, clay, and glass products industry	816, 817
Employees	413, 816, 817, 820
Capital invested per	561
Labor unions	430
Energy used	820
Expenditures:	
Plant and equipment, new	562, 817
Research and development	826
Firms, mergers and acquisitions	575
Injury rates	434
National income, origin in	444
Production indexes	806
Railroad car loadings of commodities	683
Stockholders' equity, profit rates on	574
Stores, restaurants, etc., construction	784
Stoves and ranges	796, 835
Strategic and critical materials, summary	762
Strawberries, acreage, production, and value	723
Street railways. <i>See</i> Railways, electric.	
Streptococcal sore throat and scarlet fever	126
Strikes and lockouts ( <i>work stoppages</i> )	431, 432
Strontium	764
Structural clay products	413
Structural iron and steel	482, 484
Structural metal works ( <i>see also</i> iron and steel)	413, 818, 819
Structures, as component of national wealth	474
Students. <i>See</i> Education, enrollment.	
Subways and elevated railways	637, 656
Sudan. <i>See</i> Foreign countries.	
Sugar:	
Consumption	131, 720
Foreign trade	876, 881
Prices:	
Imports	484
Producer indexes	481
Production	720, 721
World	720, 895, 919
Quota charges and supply	720
Refining and manufacture	414, 818, 819
Output per hour	417
Sugar beets	702, 714
Sugar crops	709, 721
Sugarcane:	
Acreage, production, value, and price	721
Puerto Rico	892
Suicides	78, 81, 178, 186-188, 906
Sulfates, production	827
Sulfur	756, 757, 773
Foreign trade	763, 773
Production and value	755, 759, 773
Production, U.S. as percent of world	762
Reserves	755
Wholesale prices	754, 773
Sulfuric acid, production	827
Sunday or Sabbath schools	55, 56
Sunshine	229
Supplemental security income	332-335, 354, 355, 358
Supreme Court, U.S.	195
Surgeons	111-113
Surgery performed, by type, and sex of patient	118
Surgical instruments, manufacture	414, 818, 819
Surgical Insurance	108
Surinam. <i>See</i> Foreign countries	
Swaziland. <i>See</i> Foreign countries.	
Sweden. <i>See</i> Foreign countries.	

	Page
Swimming and swimming pools	125, 243-245
Swine. <i>See</i> Hogs.	
Switchboard apparatus, shipments, value	833
Switzerland. <i>See</i> Foreign countries.	
Swordfish, imports	749
Symphony orchestras	250
Syphilis, deaths	78
Syria. <i>See</i> Foreign countries.	

## T

Taiwan (Republic of China). <i>See</i> Foreign countries.	
Talc, pyrophyllite, and soapstone	759
Tallow and grease (animal)	484, 710, 879
Tanneries, summary	818, 819
Tantalum	764
Tanzania. <i>See</i> Foreign countries.	
Tariff. <i>See</i> Customs receipts.	
Taxation ( <i>see also</i> Customs receipts):	
Farm property	699
Governmental revenue, by type of tax	290
Motor-fuel taxes and motor-vehicle fees	268, 304, 305, 650, 654, 655
National (internal revenue)	268, 286
Collections by source	268
Corporation income tax:	
Federal budget receipts	257, 259, 260, 262, 288, 292
Percent distribution and per capita	289
Internal revenue collections	268
State government revenue	291, 292, 296, 304
Tax liabilities	566, 573
Tax returns filed	272, 276, 566
Employment tax	262, 268, 275
Estate and gift taxes	262, 268, 291
Excise taxes	257, 260, 262, 268, 305
Individual income tax	257, 260, 262, 268-275, 288, 291, 292, 296, 304
Average tax by income level	271
By income level, selected cities	317
Nontaxable returns	271
Percent distribution and per capita	289
Rates	272
Returns filed, by marital status and income level	268
Summary	268, 271, 275
Personal taxes	259
Property tax:	
Government revenue	290, 312
Percent distribution and per capita	289
Property assessments	311
Rates, selected cities	317
State and local government	286, 288, 291, 296, 297, 311
Railroads	660, 662
Revenue losses due to Federal tax laws	266, 287
State and local government:	
By type of tax	286, 291, 292, 296, 297
City government	313, 316
Per capita	299
State governments	302, 304-306
Tax-exempt securities outstanding	278
Taxicab drivers and chauffeurs	418
Ten:	
Consumption	131
Foreign trade	881, 882
Prices	484
Teachers, number	153, 157, 158, 419, 421
Degrees conferred	175
Employed in public schools	157
Experience and degrees held	158
Foreign countries	903, 904
Higher education institutions	186
Lacking full certification	158
Salaries	158, 425
Tenure	171
Technicians:	
Employed, number	419, 630
Health care	109
Science and engineering	629
Teenagers, labor force ( <i>see also</i> Population, age)	394, 398, 400, 401, 407
Telegraph and telephone systems:	
Coaxial tube, mileage	583
Consumer cooperative (telephone)	559
Dividends	583
Employees	415, 419, 583, 584
Labor unions	430

	Page		Page
Telegraph and telephone systems—Continued		Tinware, manufacture .....	413, 818, 819
Employees—Continued		Tires and tubes .....	650
Telephone operators .....	419	Manufacture .....	816, 817
Financial data .....	583, 584	Employees .....	414, 816, 817
Foreign countries .....	922, 923	Output per hour .....	417
Independent telephone companies .....	584	Shipments accounted for by largest companies .....	821
Operating revenues .....	578	Retail trade (tire, battery, accessories) .....	840, 841, 846
Line and wire mileage .....	583, 584	Establishments, payrolls, employees .....	648
Manufacture, shipments accounted for by largest companies .....	821, 822	Wholesale trade (tire, battery, accessories):	
Microwave radio relay mileage .....	583	Establishments, payrolls, employees .....	648
National income, origin in .....	444	Producer price indexes .....	481
Overseas systems and rates .....	583, 585	Titanium concentrates .....	759, 782, 827
Toll rates .....	584, 585	Titanium ores .....	756, 757, 764
Value of new construction .....	781, 782	Toasters, electric .....	796, 835
Wiring .....	192	Tobacco:	
Telephones ( <i>see also</i> Telegraph, etc.):		Acres and production, Puerto Rico .....	892
Calls made .....	584	Acres, production, and value .....	710, 713, 714, 719, 720
Number .....	583, 585	Output and marketing indexes .....	709
Foreign countries .....	922, 923	Advertising expenditures .....	598, 599
Type of service and rates, selected cities .....	584, 585	Consumption per person .....	824
Teletypewriter (TWX) .....	583, 585	Farm income .....	702
Television ( <i>see also</i> Radio):		Farm labor required, man-hours .....	710
Broadcasting .....	588–589	Farms .....	694
Advertising expenditures .....	597, 598, 758	Foreign trade .....	710, 711, 713, 719, 878, 879, 881
Operating revenues .....	578	Manufacture .....	814, 815
Public broadcasting stations .....	589, 590	Capital invested per worker .....	561
Cable TV systems and subscribers .....	589	Corporations, financial data .....	570
Sets:		Employees .....	414, 814, 815, 820
Advertising expenditures .....	598, 599	Expenditures for plant and equipment .....	815
Foreign countries .....	922, 923	Firms, mergers and acquisitions .....	575
Households with .....	589, 796	Injury rates .....	434
Manufacture:		National income, origin in .....	444
Employees, earnings .....	413	Output per hour .....	417
Shipments and retail value .....	835	Production .....	824
Production and imports .....	590	Indexes .....	806
Stations .....	588	Stockholders' equity, profit rates on .....	574
Temperature, selected cities .....	221–225	Personal consumption expenditures .....	442
Tennessee. <i>See</i> State data.		Prices:	
Tennessee Valley Authority, employment .....	282	Export .....	484
Tennis .....	244, 245	Farm .....	714, 720
Tenure. <i>See</i> Housing and housing units and Farms.		Producer indexes .....	482
Territorial acquisitions of the U.S. .....	207, 208	Retail trade .....	843, 846
Texas. <i>See</i> State data.		Taxes .....	268, 304, 305
Textile industry ( <i>see also</i> Textiles) .....	814, 815	Governmental revenue .....	290
Capacity utilization rates .....	808	World production .....	895
Capital invested per worker .....	561	Togo. <i>See</i> Foreign countries.	
Car loadings .....	663	Toilet preparations, etc.:	
Corporations, financial data .....	570	Advertising expenditures .....	598, 599
Employees .....	414, 814, 815, 820	Shipments accounted for by largest companies .....	821
Labor unions .....	430	Value of shipments .....	826
Expenditures, new plant and equipment .....	562, 815	Tomatoes .....	705, 723, 724
Firms, mergers and acquisitions .....	575	Tonnage, vessels:	
Foreign trade .....	878, 880–882	Domestic commerce .....	676
Injury rates .....	434	Entered and cleared in foreign trade .....	677, 678
National income, origin in .....	444	Foreign countries (shipping) .....	920, 921
Prices and indexes .....	481–483	Merchant vessels .....	678, 679, 681
Production indexes .....	808	Panama Canal .....	688
Products .....	825	Ships and tonnage lost .....	680
Stockholders' equity, profit rates on .....	574	Waterborne foreign commerce .....	677
Textile machinery .....	832, 880	Toolmakers, diemakers, and setters .....	420
Thailand. <i>See</i> Foreign countries.		Tools. <i>See</i> Cutlery, etc., and Machine tools.	
Theaters, etc.:		Tornadoes .....	82, 219
Attendance and receipts .....	248	Tourism ( <i>see also</i> Travel), foreign .....	98, 252, 253
Motion picture, summary .....	851	Townships and special districts:	
Personal consumption expenditures .....	245	Employment and payrolls .....	319
Theatrical presentations, business summary .....	852	Government units .....	309
Theft. <i>See</i> Crime and criminals.		Officials, elected .....	512
Theology, degrees conferred .....	175	Population .....	310
Therapists and dieticians .....	109	Toys. <i>See</i> Games, toys, etc.	
Thread. <i>See</i> Yarn, thread, etc.		Tractors:	
Timber ( <i>see also</i> Lumber and allied products):		Foreign trade .....	878, 880–882
Earnings .....	735	Horsepower .....	707
Exports and imports .....	737	Manufacture, shipments .....	832
Per capita consumption .....	734	Number on farms .....	707
Prices .....	735	Trade (business) ( <i>see also</i> Commerce, Foreign trade,	
Production, total and Federal lands .....	731	Retail trade, and Wholesale trade):	
Products from roundwood .....	734	Assets or liabilities .....	570
Receipts from sales .....	240	Corporations, partnerships, and proprietorships .....	557
Removed from national forests .....	731	Employees .....	411, 415, 839
Volume, growth and cut .....	731, 732	Injury rates .....	433, 434
World production (roundwood) .....	776, 895	Labor unions .....	430
Tin .....	764, 776	States .....	412
Foreign trade .....	763, 882	Establishments .....	557, 570
Prices:		Expenditures for plant and equipment, multinational companies .....	572
Imports (tin, bars, blocks, pigs) .....	484	Gross product, current and constant dollars .....	441
Wholesale .....	754, 776	Income and profits .....	557, 570, 573
Production .....	755, 759, 776	International investments .....	571, 865
U.S. as percent of world .....	762	Merchandising firms, summary .....	570
Reserves .....	765		
Value .....	759		

	Page		Page
Trade—Continued		Travel—Continued	
National income, origin in .....	444, 838	Means of transport .....	251, 253
Receipts .....	567	Mileage .....	
Sales .....	569, 570	Air carriers .....	666, 671
Wages and salaries .....	445	Motor vehicle .....	646
Trade and industrial training .....	175, 178	Railroad passenger train .....	662
Trade, business, and commercial associations .....	57	Passengers, arriving and departing .....	252
Trade schools .....	176	Passports issued .....	252
Trade union wage rates, indexes .....	426	Personal consumption expenditures .....	442
Trademarks .....	572	Recreation .....	243
Traffic deaths .....	846, 847	Tourists .....	251–253
Trailer parks, business summary .....	652	Trips by households .....	252
Trailers (camping) .....	653	Volume and characteristics .....	251
Tranquilizers .....	129	Treasury bonds outstanding .....	277
Transformers, shipments, value .....	833	Sales, prices, and yields .....	545, 546
Transit industry, summary .....	637, 656, 657	Treasury Department, budget outlays .....	284
Communications, radio stations .....	586	Trials, criminal and civil .....	196, 197
Federal grants for mass transportation .....	656	Trinidad and Tobago. <i>See</i> Foreign countries.	
Local government enterprise .....	291, 293, 312	Tripoli, mine production .....	759
Federal aid .....	294	Trips. <i>See</i> Travel.	
Wages and salaries .....	656	Trucks:	
Transportation:		Characteristics, by use .....	659
Accidents .....	641	Employees, truck drivers .....	420, 640
Carriers of passengers .....	636, 637, 639, 656–658	Injury rates .....	434
Carriers of property .....	636, 639, 640, 658	Wage rates, indexes .....	426
Consumption prices indexes .....	486, 487	Export value (trucks and buses) .....	650
Foreign countries .....	912	Exports .....	880
Costs .....	490–492	Factory sales (trucks and buses) .....	648, 650
Expenditures, Federal Government .....	294	in use (cars and trucks) .....	651
Foreign countries .....	920, 921	Motor-fuel consumption .....	653
Freight .....	638	Number on farms .....	707
Fuel consumed .....	600	Registration (trucks and buses) .....	648, 649
National income, origin in .....	444	Scrapped (trucks and buses) .....	650
Outlays, by type of transport .....	638, 639	Travel and speed .....	646, 659
Personal consumption expenditures .....	442, 638	Trust companies. <i>See</i> Banks and trust companies.	
Transportation, Dept. of .....	284, 295, 625	Trust funds, U.S. Government .....	262, 263
Transportation equipment:		Trust Territory of the Pacific Islands:	
Exports, U.S. as compared to world .....	813	Aid by U.S. Government .....	867
Foreign trade .....	878, 880, 881	Population and area .....	9, 207, 209, 886
Intercity carriers, volume and revenue .....	640	Tuberculosis .....	78, 126
Manufacture .....	818, 819	Hospitals .....	114–116
Capacity utilization rates .....	806	Tuna:	
Defense-oriented industries .....	373	Canned, quantity and value .....	748
Employees .....	413, 818–820	Catch .....	741, 744, 745, 747
Labor unions .....	430	Consumption .....	744
Scientists and engineers .....	629	Imports .....	749
Expenditures, plant and equipment, new .....	562, 819	Supply .....	745
Firms, mergers and acquisitions .....	575	Tungsten .....	756, 757, 764, 776
Injury rates .....	434	Consumption and sources of supply .....	776
National income, origin in .....	444	Imports .....	763, 776
Production indexes .....	806	Production and value, ore .....	755, 759
Multinational companies .....	571, 572	Production, U.S. as percent of world .....	762
Railroad carloadings .....	663	Reserves .....	755
Value of shipments .....	834	Tunisia. <i>See</i> Foreign countries.	
Wholesale trade, producer price indexes .....	482	Turbines. <i>See</i> Steam engines.	
Work stoppages .....	432	Turkey. <i>See</i> Foreign countries.	
Transportation industry ( <i>see also individual industries</i> ):		Turkaya. <i>See</i> Poultry.	
Advertising expenditures .....	599	Turpentine .....	739
Assets or liabilities .....	567	Typewriters, shipments, value .....	832
Companies, largest, ranked by revenues .....	640		
Corporations, partnerships, and proprietorships .....	557		
Employees .....	406, 411, 412, 415, 420		
Earnings, average .....	421		
Injuries .....	433, 434		
Labor unions .....	426, 430		
Minority races .....	411		
Science and engineering technicians .....	629		
States .....	412		
Type of transport .....	640		
Women .....	404		
Expenditures for new plant and equipment .....	555, 562		
Multinational companies .....	572		
Firms .....	557, 558		
Foreign countries .....	920, 921		
Gross product, current and constant dollars .....	441		
Income and profits .....	557, 573		
Investments, multinational companies .....	571		
Labor unions .....	428, 430		
National income, origin in .....	444		
Output per hour .....	417		
Proprietorships, partnerships, and corporations .....	557		
Receipts .....	567		
Revenues and assets, largest companies .....	640		
Unemployment .....	410		
Wage rates .....	425, 426		
Transportation to school .....	160		
Transportation to work .....	657		
Travel:			
Advertising expenditures .....	598, 599		
Air carriers .....	672		
Foreign .....	98, 234, 252, 253, 672		
Charter passengers .....	672		

## U

Uganda. *See* Foreign countries.

Unemployment .....	390, 394, 396, 399, 407, 409
Appalachia .....	470
By industry and occupation .....	410
By sex, race, and age .....	398
By years of school completed .....	400
High school graduates, and dropouts .....	164
Income .....	335
International comparisons .....	912
Men, veteran status .....	382
Outlying areas of U.S. .....	889
Persons, 16–24 years old .....	400
Reasons, by sex .....	399
Spanish origin .....	399
State .....	409
Summary .....	407, 408
Trust fund .....	263
Unemployment insurance:	
Claims and benefits payments .....	336, 350–352
Coverage provisions (size of firm) .....	337
Employee expenditures .....	427
Employees and payrolls covered .....	337, 350
Governmental finances .....	298, 296, 334
Percent distribution and per capita .....	289
Ratio to personal income .....	448
State programs .....	407

	Page
Unemployment insurance—Continued	
Veterans .....	336, 352
Unincorporated enterprises, flow of funds .....	525, 527
Unions. <i>See</i> Labor unions.	
United Kingdom. <i>See</i> Foreign countries.	
United Nations, Relief and Works Agency .....	867
United States Government. <i>See</i> Government.	
United States Postal Service .....	580-582
Employees, by pay category .....	282, 284
Employment and/or payrolls .....	282, 284, 318, 419
States .....	282
Type of job .....	282
Expenditures .....	262, 288, 289, 291, 581
Money order business .....	580, 581
Post offices, number .....	580
Postal rates .....	582
Postal savings .....	581
Revenues .....	288-291, 578, 580, 581
Volume of business .....	580, 582
United States securities ( <i>see also</i> Debt):	
Held by banks .....	533
Held by corporations .....	568
Held by Government corporations, credit agencies, etc. ....	278
Interest-bearing .....	277, 278
New issues .....	546
Prices, sales, and yields .....	545, 546
Taxable, yields .....	543
United Way campaigns .....	364
Universities. <i>See</i> Education, higher education institutions.	
Upper Volta. <i>See</i> Foreign countries.	
Uranium .....	620, 756, 757, 776
Ores .....	759
Oxide .....	762
Production .....	620
Urban population. <i>See</i> Population.	
Urban renewal. <i>See</i> Housing and urban development.	
Uruguay. <i>See</i> Foreign countries.	
Utah. <i>See</i> State data.	
Utilities ( <i>see also</i> Gas utility industry and Electric light and power industry):	
Electric supply systems and generating plants, States .....	612
Heating fuel, homes .....	933
Industrial production indexes .....	806
Retail prices .....	494, 495

V

Vacuum cleaners:	
Electric, homes with .....	796
Manufacture .....	832, 835
Value added by manufacture:	
All industries .....	814-819
Puerto Rico .....	891
By legal form of organization .....	808
By type of operation .....	807
Establishments, by employee size-class .....	808
Geographic division .....	809
Largest companies .....	821
Per production worker .....	804
Share accounted for by largest companies .....	568
States .....	810, 811
Value added in mining .....	752, 756, 757
Vanadium .....	759, 762, 764
Variety stores, summary and sales .....	840-842, 846
Varnishes and paints. <i>See</i> Paints, varnishes, etc.	
Veal ( <i>see also</i> Beef and Meat and meat products) ....	131, 725
Vegetable oils. <i>See</i> Oils.	
Vegetables ( <i>see also</i> Fruits and vegetables and Individual commodities):	
Acreage and production, Puerto Rico .....	892
Acreage, production, and value .....	723
Output and marketing indexes .....	709
Canned .....	724
Consumption .....	131
Farms and/or income .....	694, 702
Foreign trade .....	711, 878, 879, 881
Frozen food production .....	724
Vehicles. <i>See</i> Motor vehicles, Tractors, etc.	
Veneers and veneer logs .....	734
Veneral diseases .....	126
Venezuela. <i>See</i> Foreign countries.	
Vermiculite, mine production .....	759
Vermont. <i>See</i> State data.	
Vessels. <i>See</i> Ships.	

	Page
Veterans Administration:	
Budget outlays and authority .....	264
Employment .....	280, 282
Expenditures .....	104, 384, 385
Home loans .....	539, 802
Land and buildings .....	239
Medical centers .....	387, 388
Veterans affairs:	
Federal aid .....	260, 261, 265, 334
Pensions and other benefits:	
Cost of American wars .....	370
Disability, service-connected .....	381
Disbursements .....	294, 326, 330-333, 336, 384-386
Education and training .....	142, 385, 386, 388
Expenditures .....	288, 289, 385
Health expenditures .....	106
Hospital or domiciliary care .....	385-388
Life insurance .....	385, 386, 388, 389
Funds .....	262, 263
Loans guaranteed and insured .....	385, 389
Pensioners on rolls, by wars .....	384
Readjustment allowances .....	385
Social insurance, income security .....	262, 334-336
Unemployment allowances .....	336, 352
Veterans or dependents receiving .....	335, 352, 381, 384, 387-389
Revenue losses due to Federal tax laws .....	267
Unemployment by veteran status .....	382
Veterans in civil life .....	381, 383
Vetoed bills, Congressional .....	509
Vice President of U.S., salary .....	283
Vietnam. <i>See</i> Foreign countries.	
Vietnam conflict .....	370, 377
Educational attainment of veterans .....	382
Length of service, veterans .....	382
Military personnel .....	377
Deserion and AWA rates .....	378
Refugees .....	95
Veterans .....	381, 382
Virgin Islands. <i>See</i> Outlying areas of U.S.	
Virginia. <i>See</i> State data.	
Visits to:	
National and State park areas .....	242-244
Physicians and dentists .....	111-113
Visual impairment .....	123, 127
Vital statistics ( <i>see also</i> Births and Deaths):	
Average weights and heights .....	125
Fertility rate .....	7, 28, 61, 67
Foreign countries .....	901
Life tables .....	72, 73
Marriage and divorce .....	41, 43, 58, 61, 83, 86, 87
States .....	85-87
Mentally retarded .....	122
Morbidity .....	126
Outlying areas of U.S. ....	888
Rates, summary .....	61
World .....	896
Vitamins .....	128, 132
Vocational and technical schools .....	176, 177
Vocational education and rehabilitation .....	141, 142, 294, 332, 333, 345, 385, 386, 388
Medical .....	104
Veterans .....	385, 388
Volunteer workers .....	362
Voter participation .....	496
Voter registration .....	514, 518
Votes:	
Congressional .....	503, 504, 507, 508, 515
Gubernatorial .....	503, 512
Presidential .....	496, 498-503, 515
Voting-age population .....	515, 516, 518-520

W

Waffle irons .....	835
Wage earners. <i>See</i> Employment and labor force and individual industries.	
Wages and wage rates. <i>See</i> Salaries and wages.	
Walking .....	125
Wars:	
American, total cost of .....	370
Deaths .....	377
Military personnel, deserion and AWA .....	378
U.S. troops and casualties .....	377
Vietnam conflict .....	377
Length of service, veterans .....	382
Warsaw Pact countries, military expenditures .....	367, 369
Washing machines:	
Electric, homes with .....	796

	Page		Page
Washing machines—Continued		Whiskey—Continued	
Shipments and retail value	835	Production, stocks, and tax-paid withdrawals	823
Washington. <i>See</i> State data.		White-collar workers	279, 284, 418, 421
Waste disposal, by type	218	Unemployment rate	407
Waste material	215	Women	283, 458
Wastepaper:		White House employment	282
Producer price indexes	481	Whitefish, imports	749
Utilization and salvage	739	Whiting, quantity and value of catch	744-746
Watches. <i>See</i> Clocks, watches, etc.		Fresh and frozen packaged	745, 748
Water:		Wholesale and retail trade:	
Area:		Capital invested per worker	561
Lakes	212	Companies, mergers and acquisitions	575
United States and outlying areas	6, 209, 210	Corporations, partnerships, and proprietorships	557, 573
Public domain	237	Science and engineering technicians	629
Federal water projects	214	Unemployment	410
Pollution	214, 215	Wholesale price indexes ( <i>See also</i> Producer price indexes):	
Expenditures for abatement, by industry	216	Business	480-482
Oil spills	218, 680	Commodities	754
Rivers and streams	218	Construction materials	775
Power	611, 619	Foreign countries	911
Transportation	674-678	Wholesale trade ( <i>see also</i> Prices and Trade):	
Accident deaths	82	Corporations, partnerships, and proprietorships	557
Federal outlays	639	Employees	406, 415, 839, 848
Injury rates	434	Earnings, average	421
National income, origin in	444	Kind of business	848
Shipments, foreign trade	675	Minority races	411
Use	213	States	849
Waterborne commerce ( <i>see also</i> Foreign trade)	674-680	Women	404
Watermelons, acreage, production, and value	723	Establishments	848, 849
Waterskiing	243	Failures and liabilities	577
Waterways, internal traffic	675, 676	Legal form of organization	557
Intercity traffic	637, 639	Motor vehicles and automotive equipment	648
Waterworks:		States	849
Local government enterprise	291, 312	Firms	848
Employees and payrolls	324	Owned by minority races	558
Expenditures	293, 296	Owned by women	558
Public supply	213	Inventories	562, 850
Value of new construction	781, 782	Kind of business	848, 850
Wax, production	766	Merchant wholesalers and proprietors	848, 850
Wealth	440, 471-474	National income, origin in	444, 836, 838
Weapons, firearms	187, 188	Outlying areas of U.S.	861, 892
Accident deaths	82	Payrolls	848, 849
Wearing apparel. <i>See</i> Apparel.		Proprietors	848
Weather conditions at selected stations	220-233	Sales	848, 850
Weather, Federal outlays for research	215	States	849
Weather stations, ground elevation	220	Stocks	848, 850
Weight lifting	125	Widowed persons	41, 43, 51-53, 84
Weights and measures	xii	Wildfires	733
Weights, at birth	64	Wildlife, endangered species	219
Weights, average, by age and sex	125	Wind velocity, selected cities	230
Welders and flame cutters	420	Wines ( <i>see also</i> Liquors, etc.)	823
Welfare services ( <i>see also individual programs</i> ):		Advertising expenditures	598, 599
Benefits, by type of program	334	Wholesale trade	848, 850
Employees and payrolls, State and local government	321	World production	895
Expenditures	288	Wire, manufacture	818, 819
Federal	290, 294, 296, 326, 329-334	Wiring	819
Local government	315	Wisconsin. <i>See</i> State data.	
Percent distribution and per capita	289	Women:	
Private	331	Abortions	60, 69-71
State and local government	290, 296, 300, 304, 312, 326, 329-333	Births to single women	66
State government	303, 308	Elected to public office	515
West Indies, workers entering U.S.	96	Employed in Federal government	283
West Virginia. <i>See</i> State data.		Employment status, by presence of children	403
Western European economic blocs	910	Firms owned by	558
Western Samoa. <i>See</i> Foreign countries.		First births	67, 71
Wheat:		First marriages	71
Acreage, production, and value	710, 713, 714, 717	Heads of household or family	47, 48, 51, 402, 482
Commodity Credit Corporation transactions	701	Income, below poverty level	469
Farm labor required, labor-hours	710	Institutional population	53
Farm sales under price supports	702	Labor force	394, 395, 404
Foreign countries, production	818	Marital status	41-43, 51, 84
Foreign trade	710, 713, 717, 879	Military personnel	375
Prices:		Percent single, by age	43
Export	484	Population, projections	30, 31
Farm	714, 717	Receiving child support payments	359
Producer	483	Scientists and engineers	628
Under support	717	Use of contraceptives	68
Supply and disappearance	717	Wealthholders	472, 473
World production	714, 895	White collar workers	458
Wheat flour:		Widows	52, 53
Consumption	131	Working mothers	147, 402, 403, 469
Exports	879	Wood and wood manufacturers ( <i>see also</i> Lumber and Timber):	
Prices	484	Foreign trade	879, 882
World production	895	Manufacture, summary	814, 815
Whiskey:		Woodpulp ( <i>see also</i> Paper and pulp)	739
Consumption	823	Foreign trade	739, 879, 881
Imports	861		
Prices	484		

	Page		Page
Woodpulp—Continued		Worth, net, families and individuals .....	472
Prices:		Writers, artists, and entertainers .....	419
Import and export .....	484	Wyoming. <i>See</i> State data.	
Producer indexes .....	481, 730, 735		
World production .....	895		
Woodworking machinery, shipments, value .....	832		
Wool:			
Consumed in manufacturing .....	824		
Farm income .....	702		
Foreign trade .....	824, 881		
Prices:			
Farm .....	824		
Import .....	484		
Producer (combing and staple) .....	483		
Production .....	824		
World .....	895		
Wool-manufacturing industry .....	814, 815		
Work and training programs .....	177		
Work stoppages .....	431-433		
Workers. <i>See</i> Employment and labor force.			
Working mothers .....	147, 403, 489		
Workmen's compensation program ....	100, 332, 333, 335,		
	337, 344, 353, 428, 552		
World, summary statistics .....	895		
Armed forces personnel .....	925		
Comparative data (area, population, etc.) ...	897-899,		
	901-905		
Exports of manufactures, U.S. comparison .....	813		
Farm commodities .....	710, 720, 918, 919		
Foreign exchange rates .....	927		
Merchant vessels .....	681, 920, 921		
Military expenditures .....	367, 369, 924		
Mineral production .....	766, 770-777		
U.S., as percent of world .....	750, 762		
Veterans .....	381, 383, 384		
World Wars I and II, cost .....	370		
Worldwide tanker casualties .....	680		